



MODERN AMERICAN SEACOAST DEFENSES

A LIST OF MILITARY RESERVATIONS AND CONCRETE GUN BATTERIES

1890-1950

Compiled by Mark A. Berhow
© 1995-2024, Mark Berhow

Revision Date:
January 18, 2025



Fort Michie (Great Gull Island, NY)

Once part of the Harbor Defenses of Long Island Sound, NY, the island is now a national wildlife refuge. The large concrete structure in the foreground is Battery J.M.K. Davis, built for a single 16-inch gun on a disappearing carriage. Photograph by Terry McGovern, 2003.

AMERICAN SEACOAST DEFENSES
A LIST OF MILITARY RESERVATIONS AND CONCRETE GUN BATTERIES 1890-1945

This is an attempt to list all the concrete emplacements built by the U.S. Army Corps of Engineers to hold seacoast armament of the "Modern era" (1890-1950). It includes four major generations of American coast defense construction—the Early Modern Program batteries (the "Endicott Board" and the "Taft Board"), the post-World War I batteries, and the WW II Modernization Program batteries—as well as those batteries built during emergency situations. Every effort has been made to make this list as accurate as possible, but it will most likely contain a number of errors and omissions. The author would greatly appreciate being contacted about any corrections.

Fort and battery names used in this list are those perceived by the author as *being the last official designation*. Named batteries are *listed by surname only*, even though as many were designated by the full name of the person they were named after. See *Designating US Seacoast Fortifications, War Department General Orders and Letters from the Adjutant General 1809-1950*, compiled by Matthew Adams (privately published by the compiler, Australia, 2000) for more information on fort and battery names. The battery service years listed here are generally from the year in which the battery was transferred to the Artillery or Coast Artillery Corps (or the year the battery was completed) to the year the battery was ordered removed from service (or the year the last gun was removed). Where possible, the information in a listing was confirmed from a report of completed batteries or report of completed works; otherwise information from other published sources was used.

Gun and carriage year models (or M# after 1935) are given where known.

Sample Entry:

Harbor Defenses of . . .

<u>FORT NAME</u>	<u>Location</u>	<u>service years (if known*)</u>	<u>current ownership</u>	<u>MC**, MF**</u>	<u>rating</u>	
Battery name	/ # of guns	/ caliber & model #	/ carriage type & model #	/ service years***/	notes	

* Several coast artillery forts were officially abandoned as harbor defense posts by 1928, all by 1950.
** Mine Casemate (MC) or Mine Shore Facilities (MF), see next page for explanation
*** Batteries whose exact service years are not known are designated by an era, such as WWII.

Abbreviations:

MC**	mine casemate (see note next page)
MF**	Mine Facilities: mine wharf & shore buildings (see note next page)
destroyed	emplacement destroyed
buried	emplacement buried
empl	emplacement
repl	replaced
rem	removed
ARF	carriage designed for 360 degree fire.
number (#101)	1940 Project battery construction number (used for battery name in some cases)
NB	emplacement not built
NC	emplacement built, but not completed
NA	emplacement completed, but not armed (gun tube missing or not installed, carriage at site or installed)
Still Emplaced (SE)	Original (or appropriately replaced) guns in the battery today. (N = Navy gun)

Carriage Abbreviations

A	British Armstrong guns on pedestal mounts
AGL	altered gun-lift carriage
B	barbette carriage
Rod	breechloading gun on altered 15-inch Rodman carriage
BL	long range barbette carriage, Army gun
BN	long range barbette carriage, Navy gun
BP	balanced pillar mount
CB	long range barbette carriage in casemate, Navy gun (16" 1940 Program)
CM	casemated mount
D	disappearing carriage
F	fixed pedestal mount (anti-motor torpedo battery (AMTB) mount)
GL	gun-lift carriage
H	long range howitzer carriage
M	mortar carriage
MP	masking pedestal mount
NT	turret mount—Navy
NC	casemated mount, Navy gun and carriage
NP	Navy gun on pedestal mount
P	pedestal mount
PM	155 mm GPF gun on tractor-drawn carriage with concrete "Panama" mount
Pne	pneumatic (dynamite) gun and carriage
RM	railway mount—mortar
RY	railway mount—gun
SB	long range barbette carriage with shield (6" 1940 Program)
TM	turreted mount—Army

Mine defense facilities are indicated in the fort name entry: Controlled mine fields were an integral part of the modern American harbor defenses. "MF" indicates that there were mine loading and storage facilities at the reservation for storing the mines and their cables and for deploying the mines for planting by the mine planters. These shore facilities usually included a mine wharf, mine loading rooms, magazines, cable tanks, torpedo storehouses, and a rail tramway system connecting these structures. "MC" indicates that there was one or more mine casemates, the protected structure which housed the actual firing circuits for the deployed submerged mine groups, on the reservation. Mine facilities were built during all major construction program eras. The mine defenses of some harbors were discontinued long before the harbor defenses themselves were abandoned. Other harbors had a major update of their mine facilities in the late 1930s and early 1940s.

ARF Disappearing Gun Carriages: There were three 10" DC ARF installed in circular concrete emplacements (one at Fort San Jacinto, two at Fort Stevens) and one 16" DC ARF was emplaced at Fort Michie. All 12" and 16" BCLR emplacements *built prior to 1936* were ARF until they were casemated.

Mortar Pits: Many (but not all) of the original 4-mortar pits had 2 mortars removed during the years 1905-1920. This is not necessarily noted in the list.

Prepared 240 mm Howitzer Positions in Hawaii: Twelve emplacements for 240mm howitzers on modified mobile M1918 carriages were prepared in 1920. Ten more emplacements were built during 1938-1945 to replace the original 12 emplacements.

155 mm GPFs on Panama mounts: These guns were used in harbor defenses beginning in the 1920s. A concrete platform was designed for a permanent emplacement. Only those batteries which had concrete Panama mounts constructed are listed here. Due to lack of information, the 155 Panama mount batteries in the Caribbean are NOT all listed.

Modernization Project Battery Constructions: For the sake of completeness, *all* Modernization Project batteries (6", 8", 12" and 16") are listed here, including those not actually built [*indicated by italics and brackets*].

AMTB (Anti-Motor Torpedo Boat) Batteries: Only the fixed emplacements are listed here. Complete AMTB batteries were composed of two 90 mm M1 guns on fixed M3 mounts, two 90 mm M1 guns on mobile M1 mounts and two 37 mm (later 40 mm) automatic guns. Some of the AMTBs listed here were not completely armed with full complement of the mobile guns. Many other positions not listed here were armed only with mobile guns (some 90 mm, but mostly 37 mm sections). Earlier (1942) "AMTB" batteries (repositioned M1903 3" pedestal mounts) are listed.

Coast Artillery railway artillery: Two 14" RY guns were at Fort MacArthur, CA and two were in the Panama Canal Zone from the late 1920s - 1940s. Some 8" RY and 12" RM railway carriage guns parked at sites are not specifically listed unless emplacements were built, and not all the positions prepared in Hawaii during WWII may be listed. Known locations for parked 12" RY and 8" RY guns during the 1920s and 1930s includes Fort Hancock, NJ, Cape Henlopen, DE, Camp Eustis, VA, Fort Story, VA, Camp Pendleton, VA, Fort MacArthur, CA, Fort Stevens, OR, Oahu, HI. Plans included preparing positions for railway artillery at Fort Stevens, OR (never started) Grays Harbor, WA (positions prepared) and Cape George, WA (positions prepared). 8" RY artillery were later deployed at postions in Canada and near Port Angeles along the Strait of Juan de Fuca, as well at Los Angeles, CA, Fort John Custis, VA, Fort Miles, DE, Fort Hancock, NJ, and Oahu, HI during WWII.

Not Listed: Coast Artillery Corps troops manned several other types of harbor defense weapons and sites which are *not* listed here due to incomplete information held by the compiler. This includes: all fixed (emplaced) antiaircraft (AA) guns; some of the WW II emergency Navy guns & mounts, the 75mm howitzer mounts used in Panama, field mounted 155mm GPF batteries, fire control stations; and searchlights.

Current Disposition of Military Reservations and Batteries: This list contains the current information (as of the date of this revision) on the ownership of the coast defense military reservations. This, unfortunately, is subject to change. Emplacements known to have been modified, buried, or destroyed are so noted. The fort rating system is an arbitrary device used by the author to give the reader some overall idea of what to expect to find at the sites today.

Fort Rating System

*****	all or most emplacements intact, many or most buildings remain
****	all or most emplacements intact, several buildings remain, reservation(s) may be divided up
***	all or most emplacements intact, some buildings remain
**	all or most emplacements intact, few or no buildings remain
*	some emplacements intact, few or no buildings
X	nothing remains at the site

Sources: Much of the information tabulated in this list came from a variety of original documents, lists, books, and correspondence. As far as possible the data listed in this table came from the reports of completed works filed by the Corps of Engineers for each gun battery built. Additional information was obtained from some of the various annexes to harbor defense projects. More information was gleaned from the various articles, books, brochures and other publications both of a general nature and on specific forts or harbor defenses by various agencies such as the National Park Service, state and local historical agencies, and private publishing companies, which are too numerous to list here. Additional help and information was obtained from Alvin Grobmeier, Terrance McGovern, Bob Zink, Gregg Hagge, Joel Eastman, Alex M. Holder, Bill Dorrance, John D. Bennett, Hans Neuhauser, Luis Ramos, and others.

The Harbor Defenses of the Kennebec

FORT BALDWIN	Sabino Head	1905 - 1928	state park	MC (improvised)	**
unnamed	1	8"	Rod	1899-1910	at Fort Popham
Hardman	1	6" 1905	D 1903	1908-1917	
Hawley	2	6" 1900	P 1900	1908-1924	modified for 155 mm gun emplacements, WWII
Cogan	2	3" 1903	P 1903	1908-1924	
unnamed	4	155 mm	PM		two empl. on Hawley

The Harbor Defenses of Portland

Long Island Military Reservation			private		**
unnamed	2	3" 1903?	P 1903?	1942-1943	gunblocks covered
AMTB 965	2	90 mm M1	F M3	1943-1946	one gun block built over
AMTB 966	2	90 mm M1	F M3	1943-1946	
Other locations					

unnamed	2	3" 1903?	P 1903?	1942-1944	Great Chebeague Island
AMTB 969	2	90 mm M1	F M3	1943-1946	Great Chebeague Island, buried
AMTB 970	2	90 mm M1	F M3	1943-1946	Bailey Island, one gun block covered

FORT LYON	Cow Island	1896	private		**
Bayard	3	6" 1903	D 1903	1907-1917	
Abbot	3	3" 1903	P 1903	1909-1946	

FORT MCKINLEY	Great Diamond Island	1896	private	MF, MC	*****
Ingalls	8	12" 1890MI	M 1896MI	1904-1942	
Berry	2	12" 1888MI	D 1896	1901-1943	
Thompson	3	8" 1888MII	D 1896	1902-1942	
Weymouth	3	8" 1888MII	D 1896	1901-1942	
Honeycutt	2	8" 1888MII	D 1896	1901-1942	
Acker	2	6" 1897MI	D 1898	1902-1943	
Carpenter	2	6" 1900	P 1900	1906-1947	
Ferry	2	3" 1898	MP 1898MI	1902-1920	
Ramsey	2	3" 1898	MP 1898MI	1902-1920	

Peak's Island Military Reservation			private	MC	**
Steele (#102)	2	16" MkIIMI	CB M4/M5	1945-1948	
Cravens (#203)	2	6" 1905A2	SB M1	1945-1948	built on
unnamed	2	3" 1903?	P 1903?	1942-1943	one gun block covered
AMTB 963	2	90 mm M1	F M3	1943-1946	
AMTB 964	2	90 mm M1	F M3	1943-1946	buried/destroyed

Jewell Island Military Reservation			state prop		**
#202	2	6" M1	SB M3	1944 NC	
AMTB 967	2	90 mm M1	F M3	1943-1946	
AMTB 968	2	90 mm M1	F M3	1943-1946	
FORT LEVETT	Cushing Island	1903	private		****
Foote	2	12" 1895MI	B 1917	1924-1948	casemated-WWII
Bowdoin	3	12" 1895	D 1897	1903-1943	
Kendrick	2	10" 1895	D 1896	1903-1942	
Ferguson	2	6" 1900	P 1900	1906-1947	
Daniels	3	3" 1898	MP 1898MI	1903-1920	
AMTB 962	2	90 mm M1	F M3	1943-1946	

FORT PREBLE	Spring Point	1808	state community college		***
Kearny	8	12" 1890MI	M 1896MI	1901-1942	2 mortars moved to West Point 1911, buried
Chase	8	12" 1890MI	M 1896MI	1901-1942	buried
Rivardi	2	6" 1903	D 1903	1906-1918	
Mason	1	3" 1902MI	P 1902	1906-1942	gun moved to new position 1942
Mason II	1	3" 1902MI	P 1902	1942-1946	destroyed

FORT WILLIAMS	Cape Cottage	1898	city park	MF, MC	***
Blair	2	12" 1895	D 1897	1903-1943	partially buried
Sullivan	1	10" 1888MII	D 1896	1898-1938	buried
&	2	10" 1888MI	D 1894		buried
DeHart	2	10" 1888MI	D 1894MI	1898-1942	1 gun M1888MII, buried
Garesche	2	6" 1900	D 1903	1906-1917	guns & carr. orig on display St. Louis Expo. 1903
Hobart	1	6" Armstr	Armstrong	1900-1913	
Keyes	2	3" 1902MI	P 1902	1905-1946	
AMTB 961	2	90 mm M1	F M3	1943-1946	one gun block covered

Cape Elizabeth Military Reservation				state park	**
[#101] 2 16" CB Not Built				location not in park but nearby	
#201 2 6" SB M4 NA					
Biddleford Military Reservation				private?	*
unnamed	4 155 mm	PM			

The Harbor Defenses of Portsmouth

FORT FOSTER	Gerrish Island	1900	Kittery ME town park		**
Bohlen	3 10" 1895	D 1896	1901-1943	buried to loading platform	
Chapin tactical #5	2 3" 1902MI	P 1902	1904-1943	sod and sand cover removed	
#205 tactical #6	2 6"	SB M4	1944 NC		
AMTB 952	2 90 mm M1	F M3	1943-1946	one block in floor of shelter	
FORT CONSTITUTION	Newcastle Is.	1798	NH state hist. site & USCG	MF, MC	*
Farnsworth	2 8" 1888MII	DC 1894	1898-1917		
Hackleman tactical #4	2 3" 1903	P 1903	1904-1942	destroyed, guns to H.G. Wright	
FORT STARK	Jerry's Point	1902	state hist. site	MC	**
Hunter	2 12" 1895MI	D 1897	1904-1945		
unnamed	2 8"	Rod	1898-1900	buried	
Kirk	2 6" 1903	D 1903	1904-1917	modified for HECP-HDCP	
Hays	2 3" 1902MI	P 1902	1905-1942		
Lytle	2 3" 1902MI	P 1902	1905-1942		
Lytle II tactical #3	2 3" 1902MI	P 1902	1942-1945	guns from Lytle	
FORT DEARBORN	Odiorne Point, Rye NH	1942-1948	Odiorne State Park		**
Seaman (#103) tact #2	2 16" MkIIMI	CB M5	1942-1948		
#204 tactical #1	2 6" T2	SB M3	1943-1948		
unnamed	4 155 mm	PM	1942-?	1 mount covered	
AMTB 951	2 90 mm M1	F M3	1943-1946	Pulpit Rock, one gun block dest.	
Salisbury Beach Military Reservation			NH state park		*
unnamed	4 155 mm	PM		1 mount buried	

The Harbor Defenses of Boston

East Point Military Reservation			municipal park, Northeastern Univ. Marine Lab		**
Murphy (#104)	2 16" MkIIMI	CB M4	1944-1948		
#206	2 6" 1903A2	SB M1	1943-1948		
unnamed	2 155 mm	PM		buried	
FORT RUCKMAN	Nahant				**
Gardner	2 12" 1895MI	B 1917	1924-1946	casemated- WWII, partially buried	
FORT BANKS	Winthrop 1899				*
Lincoln	8 12" 1890MI	M 1896MI	1896-1943	magazines covered, M1890 mortars?	
Kellogg	8 12" 1890MI	M 1896MI	1896-1943	magazines covered, 1 pit buried	
FORT HEATH	Grover's cliff				X
Winthrop	3 12" 1888	D 1896	1901-1945	destroyed	
AMTB 945	2 90 mm M1	F M3	1943-1946	buried	
FORT DAWES	Deer Island				Massachusetts Water Resources Authority MF, MC X
#105	2 16"	CB	1944 NC	(guns were on site) now destroyed	
#207	2 6"	SB M4	1944 NA	destroyed	
Taylor	2 3" 1902MI	P 1902	1942-1944	from Strong, destroyed	
AMTB 944	2 90 mm M1	F M3	1943-1946	destroyed	
FORT WARREN	Georges Island				Metropolitan District Commission park MF, MC ****
Stevenson	2 12" 1895	D 1897	1903-1945		
Bartlett	4 10" 1888MII	D 1894	1899-1942	1 emplacement destroyed	
Adams	1 10" 1888	D 1894	1899-1914		
Plunkett	2 4" 1896 DS	P 1896 DS	1899-1925	guns later moved to saluting position	
Lowell	3 3" 1898	MP1898MI	1900-1920		
FORT STANDISH	Lovell's Island				Metropolitan District Commission park **
Morris	2 10" 1900	D 1901	1907-1942		
Burbeck	2 10" 1900	D 1901	1907-1942		
Terrill	3 6" 1897MI	D 1898	1902-1943	erosion encroachment	
Whipple	2 6" 1900	P 1900	1904-1947	modified, WWII	
Vincent	4 3" 1898	MP1898MI	1904-1920	#1 & #4 mod. to 3" AA- WWII, partially buried	
Weir	2 3" 1902MI	P 1902	1906-1926	destroyed	
Williams	3 3" 1903	P 1903	1904-1946		
AMTB 943	2 90 mm M1	F M3	1943-1946		

<u>FORT STRONG</u>	Long Island	1870	city hospital	MF, MC	**
Hitchcock	2	10" 1888MI	D 1894	1899-1939	
&	1	10" 1888MI	D 1896		
Ward	2	10" 1888MI	D 1894	1899-1939	
Drum	2	4.7" Armstr	Armstrong	1899-1917	
Smyth	2	3" 1902	P 1902	1906-1921	guns to Basinger
Stevens	2	3" 1902	P 1902	1906-1946	
Taylor	2	3" 1902	P 1902	1906-1942	guns to Ft. Dawes, WWII
Basinger	2	3" 1898	MP 1898MI	1901-1947	2-3" P 1902 guns from Smyth after 1921
<u>FORT ANDREWS</u>	Peddocks Island		Metropolitan District Commission	park	***
Cushing	8	12" 1890MI	M 1896MI	1904-1942	
Whitman	8	12" 1890MI	M 1896MI	1904-1942	4 Mor. rem. 1910, repl with M1908 mortars
McCook	2	6" 1900	P 1900	1904-1947	rebuilt WWII
Rice	2	5" 1900	P 1903	1904-1917	CRF on #1
Bumpus	2	3" 1902	P 1902	1904-1946	
<u>FORT DUVALL</u>	Hog Island	1920-1944	private (Renamed Spinnaker Is)		*
Long	2	16" 1919	B 1919	1927-1948	casemated- WWII, built on
<u>FORT REVERE</u>	Telegraph Hill, Hull		Metropolitan District Commission	, private	*
Ripley	2	12" 1888MI	B 1892	1901-1943	buried, built on
Field	2	5" 1897MI	BP 1896	1901-1917	part. dest. and buried
Sanders	4	6" 1903	D 1903	1906-1917	2 guns rem.
Pope	2	6" 1903	D 1903	1906-1943	later Pope inc. 3rd gun from Sanders
AMTB 941	2	90 mm M1	F M3	1943-1946	dest./buried
	Outer Brewster Island		Massachusetts Dept. Environmental Management		**
Jewell (#209)	2	6" M1	SB M3	1943-1948	
	Great Brewster Island		Massachusetts Dept. Environmental Management		**
AMTB 942	2	90 mm M1	F M3	1943-1946	
<u>Fourth Cliff Military Reservation</u>	Scituate		Air Force recreation area		***
{#106}	2	16"	CB	Not Built	no final location (Flowers Hill)
#208	2	6" T2	SB M4	1944-1948	Generators still in place
<u>Sagamore Hill Military Reservation</u>					*
unnamed	2	155 mm	PM		
<u>Buzzards Bay</u>					X
AMTBs	8	90 mm	F M3	planned, not built?	
The Harbor Defenses of New Bedford					
<u>FORT RODMAN</u>	Clarke Point	1840-(1947)	waste water treatment plant/ city park	MF, MC	**
Milliken	2	12" 1895MI	B 1917	1924-1946	casemated-WWII
Walcott	1	8" 1888MII	D 1896	1899-1942	
Barton	1	8" 1888MII	D 1896	1899-1942	
Cross	2	5" 1900	P 1903	1902-1920	
Craig	2	3" 1898	MP 1898MI	1902-1920	#1 mod. to 3-in AA, WW II
Gaston	2	3" 1898	MP 1898MI	1902-1920	
unnamed	2	155 mm	PM		
<u>Mishau Point Military Reservation</u>					*
#210	2	6" M1	SB M3	1945-1947	private, built on
unnamed	2	155 mm	PM		covered
	Other locations				*
AMTB 931	2	90 mm M1	F M3	1943-1946	Barney's Joy Point
AMTB 932	2	90 mm M1	F M3	1943-1946	Cuttyhunk Island
AMTB 933	2	90 mm M1	F M3	1943-1946	Nashawena Island
AMTB 934	2	90 mm M1	F M3	1943-1946	Butler's Point
unnamed	2	155 mm	PM		Butler's Point
The Harbor Defenses of Narragansett Bay					
<u>FORT CHURCH</u>	Sakonnet Point (3 sections)		private club/private/private		*
Gray (#107)	2	16" MkIIIMI	CB M3	1942-1948	early design, West Res. partially buried, Sakonnet Golf Club
Reilly	2	8" Mk3A2	CB M1	1942-1947	East Res., completely buried
#212	2	6" 1903A2	SB M1	1943-1948	South Res., Warren Point, private, built on
unnamed	2	155 mm	PM		

<u>FORT ADAMS</u>	Newport	1824	state park, Navy housing	MF, MC	****
Greene	8	12" 1890MI	M 1896MI	1898-1943	renamed Gilmore in 1940
Edgerton	8	12" 1890MI	M 1896MI	1898-1943	One M1890 mortar
Reilly	2	10" 1888MII	D 1896	1899-1917	
unnamed	1	8"	Rod	1898-	
Bankhead	3	6" Armstr	Armstrong	1907-1913	guns from Greble, Screven, Moultrie
Talbot	2	4.7" Armstr	Armstrong	1899-1917	one 4.7 gun is in Equality Park, Newport
Belton	2	3" 1903	P 1903	1907-1925	
<u>FORT WETHERILL</u>	Conanicut Is.	1900-1945	state park	MF, MC	**
Varnum	2	12" 1888	B 1892	1901-1943	
Wheaton	2	12" 1900	D 1901	1908-1945	
Walbach	3	10" 1888MII	D 1896	1908-1942	
Zook	3	6" 1903	D 1903	1908-1918	
Dickenson	2	6" 1900	P 1900	1908-1947	modified WW II
Crittenden	2	3" 1902	P 1902	1908-1946	
Cooke	2	3" 1898	MP 1898MI	1901-1920	
AMTB 923	2	90 mm M1	F M3	194? NC	modified old 3-in AA blocks
<u>FORT GETTY</u>	Conanicut Island	1903	Jamestown city park		*
Tousard	3	12" 1900	D 1901	1910-1942	partially buried
House	2	6" 1900	P 1900	1910-1942	guns & carr. & name to Ft. Varnum, now mostly buried
Whiting	2	3" 1903	P 1903	1910-1942	guns & carr. & name to Ft. Burnside
Armistead (3)	2	3" 1903	P 1903	1943	Whiting empl., guns & carr from Varnum
AMTB 922	2	90 mm M1	F M3	1943-1946	#1 block buried
<u>FORT BURNSIDE</u>	Beavertail	1940-1948	state park		***
#110	2	16"	CB	<i>Not Built</i>	
#213	2	6" 1905A2	SB M1	1943-1948	
Whiting (2)	2	3" 1903	P 1903	1942-1946	
<u>FORT GREBLE</u>	Dutch Island	1863	state land/park	MF, MC	***
Sedgwick	8	12" 1890MI	M 1896MI	1901-1942	
Hale	3	10" 1898MII	D 1896	1898-1942	
Mitchell	3	6" 1903	P 1903	1905-1917	
1	6" Armstr	Armstrong	1898 NC	dest. replaced by new 6" battery, gun to Ft. Adams	
Ogden	2	3" 1898	MP 1898MI	1900-1920	
<u>FORT KEARNY</u>	Saunderstown	1904	state university campus		**
French	4	6" 1905	D 1903	1908-1917	research facility built on middle of battery
Cram	2	6" 1905	D 1903	1908-1943	buildings in emplacements
Armistead	2	3" 1903	P 1903	1908-1942	guns & carr & name to Ft. Varnum, now built on
<u>FORT VARNUM</u>	Boston Neck	1941	National Guard		***
House	2	6" 1900	P 1900	1942-1947	guns from Ft. Getty
Armistead (2)	2	3" 1903	P 1903	1942-1943	guns from Ft. Kearny, then sent to Getty
AMTB 921	2	90 mm M1	F M3	1943-1946	
<u>FORT GREENE</u>	Point Judith (3 sections)	1941			**
Hamilton (#108)	2	16" MkIIMI	CB M4	1943-1948	early design, East Res., National Guard/Reserve
#109	2	16"	CB M4/M5	1944 NC	West Res., guns were on site, state park
#211	2	6" 1903A2	SB M1	1945-1948	South Res., city park, entrances buried, erosion threat
unnamed	4	155 mm	PM		mostly buried
	Other locations				X
unnamed?	2	4.7" Armstr	Armstrong	1917-1919	Sachuest Point?
AMTB 924	90 mm		F	<i>Not Built?</i>	
AMTB 925	2	90 mm M1	F M3	1943?	Brenton Point, moved to Ft. Wetherill?
unnamed	4	155 mm	PM		Brenton Point, 3 mounts destroyed

The Harbor Defenses of Long Island Sound

<u>FORT MANSFIELD</u>	Napatree Point, R.I.	1900	state park		**
[#114]	2	16"	CB	<i>Not Built</i>	near Watch Hill, original site at Ft. Terry
Wooster	2	8" 1888	D 1896	1901-1917	
Crawford	2	5" 1897	BP 1896	1901-1917	
Connell	2	5" 1900	P 1903	1901-1917	mostly destroyed, in surf
	other Connecticut sites				X
AMTB 915	2	90 mm M1	F M3	1943-1946	Pine Island, state land
AMTB 914	2	90 mm M1	F M3	1943-1946	Goshen Point, covered, Harkness State Park
unnamed	4	155 mm	PM		Oak's Inn Military Reservation

<u>FORT H.G. WRIGHT</u>	Fisher's Island	1899	private	MF, MC	***
Dynamite	1	15"	Pne	?	Race Point
Clinton	8	12" 1890MI	M 1896MI	1902-1943	partially buried
Butterfield	2	12" 1895	D 1897	1901-1945	partially buried
Barlow	2	10" 1888MII	D 1896	1901-1939	partially buried
Dutton	3	6" 1897MI	D 1898	1901-1945	partially buried
Hamilton	2	6" 1903	D 1903	1905-1917	
Marcy	2	6" 1903	D 1903	1906-1917	
#215	2	6" 1903A2	SB M1	1943-1946	Race Point
Hoffman	2	3" 1902	P 1902	1906-1946	
Hopcock	2	3" 1903	P 1903	1905-1946	guns replaced once
AMTB 913	2	90 mm M1	F M3	1943-1946	buried
Fisher's Island (other sites)			private		**
#111	2	16"	CB M4/M5	194?	NC
#214	2	6"	SB M4	194?	NC
unnamed	4	5"	P + BP	1917-1919	NB?, North Hill
New Hackleman	2	3" 1903	P 1903	1944-1946	North Hill
AMTB 916	2	90 mm M1	F M3	<i>Not Built?</i>	East Point
<u>FORT MICHIE</u>	Great Gull Island	1896-1948	bird sanctuary	MC	***
J.M.K. Davis	1	16" 1919	D 1917	1923-1945	ARF
Palmer	2	12" 1895	D 1897	1900-1945	
North	2	10" 1888MII	D 1896	1900-1918	destroyed for Davis
Benjamin	2	6" 1900	P 1900	1908-1947	
Maitland	2	6" 1900	P 1900	1908-1947	
Pasco	2	3" 1903	P 1903	1905-1934	
AMTB 912	2	90mm M1	F M3	1943-1946	
<u>FORT TERRY</u>	Plum Island		USDA Animal Disease Lab	MF, MC	****
Stoneman	8	12" 1890MI	M 1890MI	1901-1943	
Steele	2	10" 1888MII	D 1896	1900-1942	
Bradford	2	6" 1897MI	D 1898	1901-1944	
Floyd	2	6" 1903	D 1903	1906-1917	
Dimick	2	6" 1903	D 1903	1905-1917	
#217	2	6"	SB M4	194?	NC
Kelly	1	5" 1900	P 1903	1900-1917	partially buried
&	1	4.7" Armstr	Armstrong		later replaced by 5" P 1903
Hagner	2	3" 1903	P 1903	1906-1932	mostly destroyed
Eldridge	2	3" 1903	P 1903	1906-1946	
Dalliba	2	3" 1903	P 1903	1905-1946	broken up in surf
Greble	2	3" 1902	P 1902	1905-1932	
Campbell	2	3" 1903	P 1903	1905-1934	partially destroyed
AMTB 911	2	90 mm M1	F M3	1943-1946	Plum Island
unnamed	4	155 mm	PM		
<u>FORT TYLER</u>	Gardiner's Point Island		former Navy target range		*
unnamed	2	8"	Rod	1898	NA
Edmund Smith	2	8" 1888	D 1894	1898	NA
&	2	5"	P	1898	NA
<u>CAMP HERO</u>	Montauk Point	1929	FAA radar sta., state park		*
Dunn (#113)	2	16" MkIIMI	CB M4	1944-1948	entrances covered
#112	2	16" MkIIMI	CB M4	1944-1948	entrances covered
#216	2	6" 1903A2	SB M1	1944-1947	entrances covered

The Harbor Defenses of Eastern New York

<u>FORT SLOCUM</u>	David's Island	1863-(1928)	city property, leveled for redevelopment	X?
Haskin	8	12" 1886	M 1891	1897-1919
Overton	8	12" 1886	M 1891	1897-1919
"Practice"	2	8"	Rod	1896-1899
Kinney	2	6" 1900	P 1900	1904-1917
Fraser	2	5" 1900	P 1903	1901-1917

FORT SCHUYLER	Throg's Neck 1833-(1928)			New York State Maritime Academy	MC	*
Gansevoort	1	12"	1888MI	D 1896	1899-1935	1 empl. destr., 1 empl. buried
&	1	12"	1895	D1897		
Hazzard	2	10"	1888MI	D 1896	1898-1930	destroyed
Bell	2	5"	1897	BP 1896	1900-1917	destroyed
Beecher	2	3"	1898	MP 1898MI	1900-1920	destroyed
FORT TOTTEN	Willet's Point 1862-(1928)			city park	MF, MC	*****
King	8	12"	1890MI	M 1896MI	1900-1935	buried
Mahan	2	12"	1895	D 1897	1900-1918	
Graham	2	10"	1888	D 1894MI	1897-1918	
Sumner	1	8"	1888MI	D 1894	1899-1918	
&	1	8"	1888MII	D 1896		
Stuart	2	5"	1897	BP 1896	1899-1917	
Baker	4	3"	1898	MP 1898MI	1900-194?	2 P M1903 replaced during 1920s?
Burnes	2	3"		P	1904-1946?	

The Harbor Defenses of Southern New York

FORT TILDEN	Rockaway 1926-1945			Gateway National Recreation Area		***
Harris	2	16"	1919	B 1919	1924-1948	casemated WWII
unnamed	4	12"	1896MI	M 1896MI	1917-1919	at NAS Rockaway
Kessler (West)	2	6"	1900	P 1900	1917-1947	from Kinney, Slocum, rebuilt 1941-42
Ferguson (East)	2	6"	1900	P 1900	1917-1942	from Burke, Hamilton, b ured
#220	2	6"		SB M1	1942 NA	part. buried
FORT HAMILTON	East Narrows, Brooklyn 1831			Army Post		X
Piper	8	12"	1890MI	M 1896MI	1901-1942	(all Hamilton emplacements have been-destroyed or buried)
Brown	2	12"	1895	D 1897	1902-	
Doubleday	2	12"	1895	D 1897	1900-1943	
Neary	2	12"	1888MII	B 1892	1900-1937	
Gillmore	4	10"	1888/95	D 1896	1899-1942	originally 7 empl., 3 later designated Spear
Spear	3	10"	1888	D 1894	1898-1917	
Burke	4	6"	1900	P 1900	1903-1917?	2 guns to Tilden 1917
Livingston	2	6"	1903	D 1903	1905-1907	guns to Btty Schofield at West Point, repl with 05 tubes 1919
&	2	6"	1900	P 1900	1905-1947	gun tubes to Btty Peck, Ft Hancock, 1948
Johnston	2	6"	1897/MI	D 1898	1902-1943	one gun M1897, one gun M1897MI
Mendenhall	4	6"	1903	D 1903	1905-1917	
Griffin	2	4.7"	Armstr	Armstrong	1899-1913	
&	2	3"	1898	MP 1898MI	1902-1920	
&	2	3"	1903	P 1903	1903-1946	
FORT WADSWORTH	West Narrows, Staten Is. 1821			Gateway NRA, Federal Empl. Housing	MF, MC	****
[#115]	2	16"		CB	Not Built	
Ayres	2	12"	1895	D 1897	1901-1942	partially buried
Dix	2	12"	1900	D 1901	1902-1944	
Hudson	2	12"	1888MII	D 1896	1899-1944	partially buried
Richmond	2	12"	1888	D 1896	1899-1942	partially buried
Barry	2	10"	1888	D 1896	1899-1918	
Upton	2	10"	1888	D 1896	1899-1925	partially buried
unnamed	2	8"		Rod	1898	
Duane	5	8"	1888/MII	D 1894	1897-1915	magazines removed, 1 empl. destroyed
Barbour	2	6"	Armstr	Armstrong	1898-1920	1 empl. buried
&	2	4.7"	Armstr	Armstrong	1898-1920	1 empl. buried, 1 partially buried
Mills	2	6"	1897MI	D 1898	1900-1943	both emplacements partially buried
#218	2	6"		SB M1	1943 NC	-1958?
Catlin	6	3"	1903	P 1903	1904-1942	
Bacon	2	3"	1898	MP 1898MI	1899-1918	
Turnbull	6	3"	1902	P 1902	1903-1944	later 2 guns removed, partially buried
New Turnbull (#14)	4	3"	1902	P 1902	1942-1946	covered

FORT HANCOCK		Sandy Hook, N.J. 1885	Gateway National Recreation Area, USCG	MF, MC	*****
Proving Ground	many - various	various	1890-1920	Proving Ground moved to Aberdeen, 1920	
Dynamite	2 15"	Pne	1896-1902	USCG shooting range	
&	1 8"	Pne	1896-1902	mine casemate 1921	
Potter	2 12" 1888	GLC 1891	1890-1907		
McCook	8 12" 1886	M 1891	1898-1923	advanced HECP-HEDP post 1943	
Reynolds	8 12" 1886	M 1891	1898-1918		
Alexander	2 12" 1888/MII D 1896		1899-1943		
Bloomfield	2 12" 1888M1 D 1896		1899-1944	1 gun M1888MI-1/2	
Richardson	2 12" 1900	D 1901	1904-1944		
Kingman	2 12" 1895MI B 1917		1922-1946	casemated 1943	
Mills	2 12" 1895MI B 1917		1922-1946	casemated 1943	
Halleck	3 10" 1888/MII D 1896		1898-1944	one gun removed 1910s	
Granger	2 10" 1888	D 1896	1898-1940s		
Arrowsmith	3 8" 1888MI D 1894		1909-1921	partially destroyed	
Peck	2 6" 1900	P 1900	1903-1943	guns and carr. relocated '43 to Gunnison	
Gunnison	2 6" 1903	D 1903	1905-1943	extensively rebuilt for Peck's guns	
Peck "II" /New Peck	2 6" 1903	D 1903	1943-1964	(ex-Gunnison), guns returned 1976 <u>Still Emplaced</u> restored	
Engle	1 5" 1897	BP 1896	1898-1917	CRF built on empl.	
unnamed	1 4.7"	P	1898	temporary (Schneider)	
Urmston	4 3" 1898	MP 1898MI	1903-1920		
&	2 3" 1903	P 1903	1904-1946	built between original two emplacement sets	
Morris	4 3" 1903	P 1903	1904-1946		
New Urmston (#6)	2 3" 1903	P 1903	1942-1946	partially covered	
AMTB #7	2 90 mm M1	F M3	1943-1946		
AMTB #8	2 90 mm M1	F M3	1943-1946	on ex-Peck	

Highlands Military Reservation, New Jersey (Navesink)		Hartshorne Woods	Monmouth County Park	**
Lewis (#116)	2 16" MkIIM1 CB M4		1944-1948	renovated 2018, 16" navy MkVII barrel in emplacement
unnamed	4 12" 1890MI M 1896MI		1917-1920	only one empl. remains uncovered
#219	2 6" 1903A2 SB M1		1944-1949	
	other sites			*?
[#117]	2 16"	CB	<i>Not Built</i>	Nigger Pt. (now JFK Airport)
#20	2 3" 1902	P 1902	1942-1946	Rockaway Point
New Catlin (#18)	4 3" 1903	P 1903	1942-1946	Norton Point, buried
AMTB	2 90 mm M1	F M3	1943-1946	Rockaway Point
AMTB #19	2 90 mm M1	F M3	1943-1946	Norton Point, buried
AMTB	2 90 mm M1	F M3	1943-1946	Miller Field
AMTB #12	2 90 mm M1	F M3	1943-1946	Swinburne Island

The Harbor Defenses of the Delaware

FORT MOTT		Finns Point, N.J. 1900	state park	****
Arnold	3 12" 1888MII D 1896		1899-1943	
Harker	3 10" 1888	D 1894	1899-1941	guns and carr to Canada, barrels remain in Canada
Gregg	2 5" 1900	P 1903	1901-1910	
Krayenbuhl	2 5" 1897	BP 1896	1900-1918	
Edwards	2 3" 1900 DS	CM 1902	1902-1920	
FORT DELAWARE		Pea Patch Island 1847	state park	***
Torbert	3 12" 1895	D 1896	1901-194?	guns to Battery Reed, Puerto Rico
Dodd	2 4.7" Armstr	Armstrong	1899-1918	
Hentig	2 3" 1903	P 1903	1901-1942	
Alburtis	2 3" 1898	MP 1898MI	1901-1920	
Allen	2 3" 1898	MP 1898MI	1901-1920	
FORT DuPONT		Delaware City, Del. 1896	assorted public agencies, state park	MF, MC
Rodney	8 12" 1890MI	M 1896MI	1900-1941	
Best	8 12" 1890MI	M 1896MI	1900-1941	
Read	2 12" 1888	B 1892	1899-1918	emplacements split, Btry Gibson located between
Gibson	2 8" 1888	D 1896	1899-1917	one structure with Read
Ritchie	2 5" 1900	P 1903	1900-1917	destroyed
Elder	2 3" 1903	P 1903	1904-1942	relocated 1922 to Delaware Beach
Elder II	2 3" 1903	P 1903	1942-1942	Liston front range light
FORT SAULSBURY		Slaughter Beach, Del. 1902	private, Wildlife Refuge	**
Hall	2 12" 1895MI	B 1917	1918-1945	
Haslet	2 12" 1895MI	B 1917	1918-1942	guns to Ft. Miles

Cape May M. R		Cape May, NJ		state park		*
#223	2	6" M1	SB M3	1944-1947	now in surf	
AMTB #7	2	90 mm M1	F M3	1943-1946	now in surf	
unnamed	4	155 mm	PM		in surf	
Other locations						X
temporary	1	6"	P	1917-1919	C.G. base east of town, destroyed	
<u>FORT MILES</u>		Cape Henlopen	1940	state park	MF, MC	***
Smith (#118)	2	16" MkIIMI	CB M4	1943-1948	early design	
[#119]	2	16"	CB	<i>Not Built</i>		
#519	2	12" 1895MI	CB 1917	1944-1948	guns from Haslet (replaced #119), Museum restoration	
					12 in navy barrel in casemate 2010	
unnamed	4	8"	RY		covered/buried	
unnamed	4	8"	RY		covered/buried	
temporary	1	6" 1900	P 1900	1917-1918	Cape Henlopen M.R. from Ft. St. Phillip	
Herring (#221)	2	6" 1903A2	SB M1	1944-1948	earthen cover removed	
Hunter (#222)	2	6" 1903A2	SB M1	1943-1947		
Exam	4	3" 1903	P 1903	1942-1946	mostly buried	
AMTB #5A	2	90 mm M1	F M3	1943-1946	mostly buried	
AMTB #5B	2	90 mm M1	F M3	1943-1946	1 block covered by parking lot	
unnamed	4	155 mm	PM		one 16" navy MkVII barrel on display 2012	

The Harbor Defenses of Baltimore

FORT HOWARD		North Point 1900-(1928)		VA hospital, county park	MF, MC	***
Key	8	12" 1890	MI	M 1896	MI	1900-1927
Stricker	2	12" 1888		D 1896		1899-1918
Nicholson	2	6" 1897		D 1898		1900-1927
Harris	2	5" 1897		BP 1896		1900-1917
Clagett	2	3" 1898		MP 1898	MI	1901-1920
Lazear	2	3" 1898		MP 1898	MI	1900-1920
						destroyed
FORT CARROLL		Soller's Point Flats 1848-(1928)		private		**
Towson	2	12" 1888		B 1892		1900-1918
Heart	2	5" 1897		BP 1896		1900-1917
Augustin	2	3" 1898		MP 1898	MI	1900-1920
FORT ARMISTEAD		Hawkins Point 1896-(1928)		city park	MC	**
Winchester	1	12" 1888		D 1896		1900-1918
McFarland	3	8" 1888		D 1894		1900-1917
Irons	2	4.7" Armstr		Armstrong		1900-1913
Mudge	2	3" 1898		MP 1898	MI	1901-1920
						partially destroyed
FORT SMALLWOOD		Rock Point 1890-(1928)		city park		*
Hartshorne	2	6" 1897		D 1898		1900-1927
Sykes	2	3" 1902		P 1902		1905-1927
						destroyed

The Harbor Defenses of the Potomac

The Harbor Defenses of the Potomac					
FORT WASHINGTON		east bank, MD		1814-(1928) 1947 Capital National Park Area	MF, MC
Meigs	8	12"	1890MI	M1896MI	1902-1914
Decatur	2	10"	1888	D 1894	1899-1918
Emory	2	10"	1888	D 1894	1898-1929
Humphreys	2	10"	1888MII	D 1896	1899-1929
Water	1	10"	1888	B 1893	1898-1898
Wilkin	2	6"	1897	D 1898	1902-1928
White	2	4"	Dri-Schr	P Crampton	1899-1921
Smith	2	3"	1898	MP 1898MI	1903-1920
Many	2	3"	1902	P 1902	1905-1928
FORT HUNT		west bank, VA		1899-(1928) 1933 Capital National Park Area	**
Mount Vernon	3	8"	1888MI	D 1894	1898-1917
Porter	1	5"	1897	BP 1896	1901-1917
Robinson	1	5"	1897	BP 1896	1901-1917
Sater	3	3"	1898	MP 1898MI	1904-1920

The Harbor Defenses of Chesapeake Bay

		Old Point Comfort	1819 (C.A. School 1907-1948)	NPS State Park-Property	MF, MC	****
{#124}	2	16"	CB	<i>Not Built</i>		
Anderson	8	12" 1890MI	M 1896MI	1898-1943	two mortar tubes were M1890	
Ruggles	8	12" 1890MI	M 1896MI	1898-1943		
DeRussy	3	12" 1895	D 1897	1904-1944		
Parrott	2	12" 1900	D 1901	1906-1943	emplacements used for AMTB #23	
Humphreys	1	10" 1888	D 1894	1897-1910	destroyed	
Eustis	2	10" 1888	D 1896	1901-1942	destroyed	
Church	2	10" 1888	D 1896	1901-1942		
Bomford	2	10" 1888	D 1894	1897-1940	destroyed	
N.E. bastion	1	10" 1888	D 1894	1900-1908		
Barber	1	8" 1888	B 1892	1898-1915	destroyed	
Parapet	4	8" 1888	B 1892	1898-1915	mostly buried	
Water	1	8" 1888	B 1892	1897-1898		
Montgomery	2	6" 1900	P 1900	1904-1947	guns removed '20s, guns repl. '41, destroyed	
Gatewood	4	4.7" Armstr	Armstrong	1898-1914	50 cal. mostly buried	
Irwin	4	3" 1898	MP 1898MI	1903-curr.	all Gs rem. '20s, 2-3" P 1902 repl. '46 <-Lee/Wool, <u>SE</u>	
AMTB #23	2	90 mm M1	F M3	1943-1946	1 gun (from Fisherman's Is) <u>Still emplaced</u>	
FORT WOOL	Rip Raps, Hampton Roads 1830		Bird Sanctuary: No Public Access			**
Claiborne	2	6" 1903	D 1903	1908-1918		
Dyer	2	6" 1903	D 1903	1908-1917		
Gates	2	6" 1903	D 1903	1908-1942	converted to #229	
Gates (#229)	2	6"	SB M4	1944 NA		
Lee	4	3" 1902	P 1902	1905-1946	2 guns to Ft. J. Custis, 2 guns to Irwin, Ft. Monroe	
Hindman	2	3" 1902	P 1902	1905-1946		
FORT JOHN CUSTIS	Cape Charles 1940		Fish and Wildlife Reserve			**
Winslow (#122)	2	16" MkIIMI	CB M4	1943-1948	one 16" navy MkVII barrel in casemate 2013	
{#123}	2	16"	CB	<i>Not Built</i>		
Unnamed	2	8"	RY	1942-1943		
#228	2	6"	SB M4	1943 NC	buried	
	Fisherman Island		Fish and Wildlife Reserve			**
#227	2	6" 1905A2	SB M1	1943-1965	guns to Smithsonian, Power equip. still in place	
unnamed	4	5"	P	1917-1919	2-5"/2-6"?	
Lee (AMTB #20)	2	3" 1902	P 1902	1942-1944	guns from Lee, Ft. Wool, partially buried	
AMTB #24	2	90 mm M1	F M3	1943-1946		
unnamed	4?	155 mm	PM			
FORT STORY	Cape Henry 1917		Army post	MC (MF at Little Creek)		***
Pennington	2	16" 1920	H 1920	1922-1947	original name for all 4 guns	
Walke	2	16" 1920	H 1920	1922-1947	named as separate battery in 1941, empl. covered	
Ketcham (#120)	2	16" MkIIMI	CB M4	1943-1948	early design	
#121	2	16" MkIIMI	CB M4	1943-1948		
Worcester (#224)	2	6" 1900	P 1900	1942-1947	prototype for the WW II 6-in construction	
Cramer (#225)	2	6" 1903A2	SB T2(M2)	1943-1949		
#226	2	6" M1	SB M4	1943-1949		
unnamed	2	6" 1900	P 1900	1917-1919	broken up, in surf	
unnamed	2	5" 1900	P 1903	1917-1919	broken up, in surf	
Exam (AMTB #19)	2	3" 1902	P 1902	1942-1945	guns from Irwin, Ft. Monroe, buried	
AMTB #21	2	90 mm M1	F M3	1942-	buried	
AMTB #22	2	90 mm M1	F M3	1942-	awash	
unnamed	4?	155 mm	PM		awash	
unnamed	4?	155 mm	PM			

Temporary Harbor Defenses of Beaufort, NC

X

unnamed	2	6" Navy	Navy P	1942-1945	near Fort Macon, buried
Lookout	2	5" Navy	Navy P	1942-1945	Cape Lookout -in surf

The Harbor Defenses of Cape Fear River

FORT CASWELL	Oak Island	(-1928?)	church camp	MF, MC	*****
Bagley	8 12"	1886	M 1891	1903-1925	1 gun replaced 1912
Caswell	2 12"	1888	B 1892	1899-1925	modified for swimming pool
Swift	3 8"	1888	D 1894	1898-1920	2 guns removed 1917
&	1 8"	1888	D 1896		
New Madison	2 6"	1903	D 1903	1905-1917	
McDonough	1 5"	1897	BP 1896	1902-1905	gun to Shipp
Shipp	2 5"	1897	BP 1896	1901-1919	originally 1 emplacement
Madison	1 4.7" Armstr		Armstrong	1899-1904	guns to Screven
McKavett	2 3"	1898	MP 1898MI	1903-1920	
New McDonough	2 3"	1902	P 1902	1904-1925	
unnamed	4 155mm		FM	1942-1944	Kure Beach, Temp. HD Wilmington

The Harbor Defenses of Charleston

Marshall Military Reservation Sullivan's Island (-1947) private					*
#520	2 12"	1895MI	CB 1917	1944-1947	guns from Kimble, Travis, modified for homes
unnamed	4 155 mm		PM		
FORT MOULTRIE	Sullivan's Island	1776-(1947)	Fort Sumter N.H.M. & private	MF, MC	****
[#125]	2 16"		CB	Not Built	James Island
Capron	8 12"	1886	M 1891	1898-1942	
Butler	8 12"	1886	M 1891	1898-1942	
Jasper	4 10" 1888MI		D 1896	1898-1942	One gun M1888MII
Thomson	2 10" 1900		D 1901	1906-1945	used by Fire Department
Gadsen	4 6" 1903		D 1903	1906-1917	magazine area used as library
Logan	1 6" Armstr		Armstrong	1898-1904	removed 1904
&	1 6" 1897MI		D 1898	1906-1944	
#230	2 6"		SB M4	1943 NC	
Bingham	2 4.7" Armstr		Armstrong	1899-1918	1 gun replaced 1980 <u>Still Emplaced</u>
McCorkle	2 3" 1898		MP 1898MI	1899-1943	1 gun replaced 1980 <u>Still Emplaced</u>
Lord	2 3" 1902		P 1902	1899-1946	destroyed
AMTB #2	2 90 mm M1		F M3	1943-1946	on Jasper's parapet
FORT SUMTER	artificial island	1842-(1947)	Fort Sumpter	National Historic Monument	**
Huger	1 12" 1888MII	D 1896		1906-1943	built over
&	1 12" 1888MII	B 1892		1906-1943	
AMTB #1	2 90 mm M1		F M3	1943-1946	covered

The Harbor Defenses of Port Royal Sound

FORT FREMONT	St. Helena (now Oak?) Island	(-1928)	county nature preserve	**
Jesup	3 10" 1888MII	D 1896	1899-1914	1 gun M1895
Fornance	2 4.7" Armstr	Armstrong	1899-1913	built on
Ft. Welles	Hilton Head Island			*
Dynamite	2 15"	Pne	1897 NA	partially destroyed
unnamed	2 8"	Rod	1898	partially destroyed

The Harbor Defenses of Savannah

FORT SCREVEN	Tybee Island	1897-(1928)	private	MF, MC	***
Habersham	8 12" 1890MI	M 1896MI	1900-1928		
Garland	1 12" 1888	B 1892	1899-1920	now a museum	
Fenwick	1 12" 1888	B 1892	1898-1920	home built on	
Brumby	4 8" 1888	D 1894	1899-1917	home built on (#3 intact)	
Backus	1 6" Armsrtr	Armstrong	1899-1920	later rearmed with 4.7-in	
&	2 4.7" Armstr	Armstrong	1899-1920	home built on	
Gantt	2 3" 1898	MP 1898MI	1904-1920	home built on 2003	
unnamed	4 155mm	FM	1942-1944	Temp. HD of Savannah	
Fort Pulaski			National Historic Monument		**
unnamed	1 8" 1888	B 1892	1898-1899	located on demilune, + 2-15 in Rodmans	
Hambright	2 3"	MP	1903 NA		
Other location					X
unnamed	2 4.7" Armstr	Armstrong	1898-1899	Wassaw Island, guns to Screven, partially dest. named Battery Henry Sims Morgan by GA in 2006	

The Harbor Defenses of Jacksonville

**

unnamed	2	8"	Rod	1898-1899	St. John's Bluff
unnamed	4	155mm	FM	1942-1944	Mayport

The Harbor Defenses on the St. Mary's River

**

unnamed	1	8"	Rod	1898-1900	Fort Clinch
---------	---	----	-----	-----------	-------------

Temporary Harbor Defenses of Fort Lauderdale

?

unnamed	4	155mm	FM	1942-1944	
---------	---	-------	----	-----------	--

Temporary Harbor Defenses of Miami Beach

?

unnamed	4	155mm	FM	1942-1944	
---------	---	-------	----	-----------	--

The Harbor Defenses of Key WestFORT TAYLOR Key West 1846-(1947) state park, Naval Reservation *

Seminole	8	12" 1890MI	M 1896MI	1904-1943	
Osceola	2	12" 1888	B 1892	1900-1944	
DeLeon	4	10" 1888	D 1896	1904-1940	destroyed 1962
Covington	2	8" 1888	D 1894	1904-1917	destroyed 1962
DeKalb	2	6" 1900	P 1900	1906-1917	destroyed 1950s
#231	2	6"	SB M4	1942 NA	
Gardiner	2	4.7" Armstr	Armstrong	1898-1913	destroyed 1962
Ford	2	3" 1903	P 1903	1906-1946	destroyed 1964
Dilworth	2	3" 1898	MP 1898MI	1901-1920	destroyed 1970s
Adair	4	3" 1898	MP 1898MI	1901-1920	
AMTB #5	2	90mm M1	F M3	1943-1946	1 empl. on Adair
unnamed	4	155 mm	PM	1940-1942	2 guns to Miami Beach, destroyed
Other locations					
#232	2	6" M1	SB M3	1944-1946	east of Martello Tower, Salt Ponds M.R. (airport)
Inman	2	3" 1903	P 1903	1906-1946	inside West Martello Tower
AMTB #6	2	90 mm M1	F M3	1943-1946	near West Martello Tower
unnamed	4	155mm	PM	1942-1942	West Martello Tower
unnamed	4	155mm	PM	1943-1944	near East Martello Tower

*

The Harbor Defenses of Tampa BayFORT DADE Egmont Key 1899-(1928) state park (1989) MF, MC *

unnamed	2	8"	Rod	1899-1900	guns to McIntosh, Mellon built over
McIntosh	2	8" 1888	D 1896	1900-1923	damaged by surf
Howard	2	6" 1903	D 1903	190?-1926	damaged by surf erosion
Burchsted &	2	6" Armstr	Armstrong	1899-1919	guns & carr. to Ft. DeSoto 1980, broken up in the gulf
Mellon	1	3" 1898	MP 1898MI	1904-1920	broken up in the gulf
Page	3	3" 1898	MP 1898MI	1904-1920	
	2	3" 1903	P 1903	1910-1919	broken up in the gulf

*

FORT DE SOTO	Mullet Key 1901-(1928)			County Park (1963)	**
Laidley	8	12" 1890MI	M 1896MI	1902-1921	4 M to Rosecrans 1918, 4 mortars <u>Still Emplaced</u>
Bigelow	2	3" 1898	MP 1898MI	1904-1920	broken up in the gulf
"modern display"					2 - 6" Armstrong guns from Ft. Dade, Burchsted
unnamed	4	155mm	FM	1942-1944	Passa Grill Beach, Temp. HD of Tampa

**

Other Florida sites

X

unnamed	2	155 mm	PM	1943-1944	Temp. HD of Panama City, FL
unnamed	2	155 mm	PM	NA	Port St. Joe, FL

The Harbor Defenses of PensacolaFORT PICKENS Santa Rosa Island 1845-(1947) Gulf Islands National Seashore MF, MC ****

Langdon	2	12" 1895MI	B 1917	1923-1947	casemated-WWII
Worth	8	12" 1890MI	M 1896MI	1899-1942	4 guns removed 1918, HECP-HDCP 1943
Pensacola	2	12" 1895	D 1897	1899-1935	
Cullum	2	10" 1888	D 1894	1898-1918	modified for 2 - 3" from Trueman 1942
Sevier	2	10" 1888	D 1894	1898-1934	
Cooper	2	6" 1903	D 1903	1906-1917	1 gun repl. 1976, (from West Point) <u>Still Emplaced</u>
#234	2	6"	SB M4	1943 NC	2 guns repl. 1976 (from Ft. J. Custis) <u>Still Emplaced</u>
Van Swearingen	2	4.7" Armstr	Armstrong	1898-1921	one gun & carr at Danielsville, GA
Trueman	2	3" 1902	P 1902	1905-1942	guns to Cullum
Payne	2	3" 1902	P 1902	1904-1946	
AMTB	2	90 mm M1	F M3	1943-1946	
unnamed	4	155 mm	PM	1937-1945	

<u>FORT McREE</u>	<u>Perdido Key</u>	<u>1843-(1947)</u>	<u>Gulf Islands National Seashore</u>	**
Slemmer	2 8"	1888	D 1896	1900-1918 partially buried
#233	2 6"		SB M4	1943 NC
Center	4 3"	1898	MP 1898MI	1901-1920 partially buried

The Harbor Defenses of Mobile

<u>FORT MORGAN</u>	<u>Mobile Point</u>	<u>1833-(1928)</u>	<u>state park</u>	<u>MF, MC</u>	***
Dearborn	8 12"	1890MI	M 1896MI	1901-1928	
Duportail	2 12"	1888	D 1896	1900-1928	
Test	1 10"	1888	D 1896	1916-1918	mostly buried
Bowyer	2 8"	1888	D 1894	1898-1918	1 gun in M1918 BC at University of Tampa, FL
&	2 8"	1888	D 1896		
Thomas	2 4.7" Armstr		Armstrong	1899-1918	
Schenck	2 3"	1898	MP 1898MI	1900-1923	
&	1 3"	1902	P 1902	1900-1923	
unnamed	2 155 mm		PM	1942-1944	1 covered
<u>FORT GAINES</u>	<u>Dauphin Island</u>	<u>1821-(1928)</u>	<u>county park</u>		***
unnamed	2 8"		Rod	1898-1899	covered by Stanton #1
Stanton	2 6"	1897	D 1898	1901-1928	
&	1 6"	1903	D 1903		
Terrett	3 3"	1898	MP 1898	1901-1923	
unnamed	2 155 mm		PM		Pacagoula, MS

The Harbor Defenses of the Mississippi

<u>FORT ST. PHILIP</u>	<u>north bank</u>	<u>1843-(1928)</u>	<u>1943</u>	<u>private</u>	<u>MF, MC</u>	**
Pike	2 10"	1888	D 1896	1898-1919		
unnamed	2 8"		Rod	1898-1899	gun tubes to Ransom, Jackson, 1 built over	
Forse	2 8"	1888	D 1896	1899-1918		
Merrill	4 6"	1900	P 1900	1907-1920	later only 2 guns, 2 guns to Delaware R.	
Ridgely	2 4.7" Armstr		Armstrong	1899-1913		
Scott	2 3"	1898	MP 1898MI	1901-1920		
Brooke	2 3"	1898	MP 1898MI	1904-1920		
<u>FORT JACKSON</u>	<u>south bank</u>	<u>1832-(1928)</u>		<u>parish park</u>		**
Ransom	2 8"	1888	D 1896	1899-1918		
Millar	2 3"	1898	MP 1898MI	1901-1920		
unnamed	2 155 mm		PM	1942-	Calcasieu Pass, LA	
unnamed	2 155 mm		PM	1942-1945	Port Eads, LA, Temp. HD of New Orleans	
unnamed	2 155 mm		PM	1942-1945	Burrwood, LA, Temp. HD of New Orleans	
unnamed	1 8"		Rod	1898-1899	Sabine Pass, TX, buried or destroyed?	
unnamed	2 155 mm		PM	1942-	Sabine Pass, TX	

The Harbor Defenses of Galveston

<u>FORT TRAVIS</u>	<u>Bolivar Point</u>	<u>(-1947)</u>	<u>county park</u>		**
Kimble	2 12"	1895MI	B 1917	1922-1943	guns to Moultrie
Davis	2 8"	1888	D 1896	1900-1918	deteriorating
#236	2 6"		SB M1	194? NC	
Ernst	3 3"	1898	MP 1898MI	1900-1946	converted to 3-in P
<u>FORT SAN JACINTO</u>	<u>Fort Point</u>	<u>(-1947)</u>	<u>Corps of Eng. prop</u>	<u>MF, MC</u>	*
Mercer	8 12"	1890MI	M 1896MI	1898-1943	partially buried in mud
Heileman	1 10"	1888	D 1896 ARF	1899-1943	mostly destroyed & buried
&	1 10"	1888	D 1896		
#235	2 6" 1905A2		SB M1	1944-1946	partially buried
Hogan	2 4.7" Armstr		Armstrong	1898-1917	partially destroyed & buried
Croghan	2 3" 1898		MP 1898MI	1911-1946	converted to 3-in P
AMTB #4	2 90 mm M1		F M3	1943-1946	buried
<u>FORT CROCKETT</u>	<u>Galveston</u>	<u>(-1947)</u>	<u>private, federal prop</u>		***
Hoskins	2 12"	1895MI	B 1917	1924-1946	casemated WWII, now built on
Izard	8 12"	1890MI	M 1896MI	1902-1943	destroyed
Hampton	2 10"	1895	D 1896	1899-1943	destroyed
Laval	2 3"	1898	MP 1898	1902-1946?	converted to 3-in P, partially covered

*

unnamed	2	6" Navy	Navy P	Freeport, TX, WWII temp?
unnamed	2	155 mm	PM	Freeport, TX
unnamed	2	155 mm	PM	Port Aransas, TX

The Harbor Defenses of San Diego

FORT EMORY	Coronado Heights			Former Navy radio facility, current training site	**
#134	2	16"	CB	1944 NC	unofficially named Gatchell, destroyed 2016
Grant (#239)	2	6" 1905A2	SB M1	1943-1946	
Imperial	4	155 mm	PM		
AMTB Cortez	2	90 mm M1	F M3	1943-1946	Coronado Beach MR, Silver Strand, destroyed
FORT PIO PICO	North Island 1906-1919 (to Navy 1935) Naval Air Station				X
Meed	2	3" 1903	P 1903	1902-1919	guns to Rosecrans, destroyed
AMTB Pio Pico	2	90 mm M1	F M3	1942-1943	guns later moved to AMTB Fetterman
FORT ROSECRANS	Point Loma 1899-1958			Navy Base, Natl. Cem., Cabrillo N.M.	ME, MC ****
Ashburn (#126)	2	16" MkIIIMI	CB M4	1943-1948	modified
Whistler	4	12" 1890MI	M 1896MI	1916-1942	guns from DeSoto, extensively modified
White	4	12" 1890MI	M 1896MI	1916-1942	
Wilkeson	2	10" 1888	D 1896	1900-1943	
Calef	2	10" 1888	D 1896	1900-1943	1 gun M1895
Strong	2	8" MkVI3A2	B M1	1941-1946	
#237	2	6" 1903A2	SB M1	1943-1946	unofficially "Woodward," Generators still in place
Humphreys (#238)	2	6" 1903A2	SB M1	1943-1946	
Zeilin	2	7" Navy	Navy P	1937-1943	buried
Gillespie	3	5" Navy	Navy P	1937-1943	No. 1 empl dest., 2 & 3 remain overgrown
McGrath	2	5" 1897	BP 1896	1900-1943	repl. by 2-3" guns from Pio Pico, 1919
Fetterman	2	3" 1898	MP 1898MI	1900-1917	destroyed July 1940
AMTB Fetterman	2	90 mm M1	F M3	1943-1946	guns from Pio Pico, destroyed
AMTB Cabrillo	2	90 mm M1	F M3	1943-1946	destroyed
Point Loma	4	155 mm	PM		

The Harbor Defenses of Los Angeles

Bolsa Chica Military Reservation	north of Huntington Beach			private, state reserve	X
#128	2	16"	CB	1944 NC	destroyed
Harrison (#242)	2	6" M1	SB M4	1944-1948	destroyed
unnamed	2	155 mm	PM	1942	
FORT MacARTHUR (Upper & Lower) San Pedro 1885-1975 (M) Air Force housing, city park					*****
Osgood	1	14" 1910	D 1907MI	1917-1944	gun remodeled 1923, being restored
Farley	1	14" 1910	D 1907MI	1917-1944	
Leary	1	14" 1910MI	D 1907MI	1917-1944	converted to HECP, 1944
Merriam	1	14" 1910MI	D 1907MI	1917-1944	converted to HECP, 1944
"Erwin"	2	14" 1920MII	RY 1920	1926-1946	1 empl. L.R. (covered), 2 empl. L.R. (destroyed)
Barlow	4	12" 1912	M 1896MIII	1917-1944	
Saxton	4	12" 1912	M 1896MIII	1917-1944	
#241	2	6" M1	SB M4	1948 NA	armed post-war to 1956, Generators still in place
JAAN #1	2	3" 1903	P 1903	1942-1946	L. R. (Cabrillo Beach), guns from Lodor
AMTB Gaffey Bulge	2	90 mm M1	F M3	1943-1946	
AMTB Navy Field	2	90 mm M1	F M3	1943-1946	L. R., buried?
unnamed	2	155 mm	PM	1942	
White Point Military Reservation	San Pedro			Air Force housing, city property	**
Bunker (#127)	2	16" MkIIIMI	CB M4	1944-1948	
Long Point Military Reservation	Pt. Vicente (Rancho Palos Verdes)			city park	**
Barnes (#240)	2	6" 1903A2	SB M1	1944-195?	Pt. Vicente
unnamed	2	155 mm	PM	1942	Long Point, dest.
Other locations					*
"Eubanks"	2	8"	RY	1942-1945	Manhattan Beach, destroyed
Lodor	4	3" 1903	P 1903	1919-1927	Deadman's Island, destroyed
JAAN #2	2	3" 1903	P 1903	1942-1946	Bluff Park, Long Beach, guns from Lodor
AMTB Terminal Is.	2	90 mm M1	F M3	1943-1946	Terminal Island, covered
AMTB Bluff Park	2	90 mm M1	F M3	1943-1946	Bluff Park, Long Beach, buried?
unnamed	3	155 mm	PM	1942	Costa Mesa (only two guns assigned), destroyed
unnamed	3	155 mm	PM	1942	Rocky Point (only two guns were assigned), dest.
unnamed	2	155 mm	PM	1942	El Segundo/Hyperion, originally 2 6-in NP, dest.
unnamed	2	155 mm	PM	1942	Playa Del Rey, destroyed

unnamed	2	155 mm	PM	1942	Pacific Palisades, destroyed
unnamed	2	155 mm	PM	1942	Port Hueneme, buried/destroyed
unnamed	2	155 mm	PM	1942	Oxnard, destroyed
unnamed	2	155 mm	PM	1942	Ventura, in surf 1992
unnamed	2	155 mm	PM	1942	Santa Barbara, destroyed

The Harbor Defenses of San Francisco

Milagra Ridge Military Reservation		Pacifica	Golden Gate National Recreation Area		**
	[#130]	2 16" CB	<i>Not Built</i>		
FORT FUNSTON	#244	2 6" M1 SB M4	1945 NA	armed post war, guns from Ft. Columbia	
	Lake Merced	1917-1975	Golden Gate National Recreation Area		**
Davis	2 16" MkIIMI	CB M2	1939-1948	prototype	
Howe	4 12" 1890MI	M 1896MI	1919-1945	guns from Ft. W. Scott, destroyed	
Bruff	2 5" 1900	P 1903	1919-1919	guns from Ft. W. Scott, destroyed	
unnamed	4 155 mm	PM	1930s	destroyed by erosion	
unnamed	4 155 mm	PM	1942	buried	
FORT MILEY	Lands End	1900-1948	VA Hospital, Golden Gate National Recreation Area		**
Livingston	8 12" 1890MI	M 1890MI	1900-1943		
Springer	8 12" 1890MI	M 1890MI	1900-1943		
Chester	2 12" 1895	D 1897	1898-1943	2 guns replaced 1920s	
&	1 12" 1888	B 1892	1898-1943		
Lobos	2 6" Navy	Navy P	1943-1945	Navy guns	
#243	2 6" M1	SB M3	1944 NA	armed post war?	
Call	2 5" 1900	P 1903	1915-1921	guns from Ft. McDowell, destroyed	
AMTB Lands End	2 90 mm M1	F M3	1943-1948		
FORT WINFIELD SCOTT	Presidio (1852)	1885-1995	Golden Gate National Recreation Area		*****
Dynamite	3 15" Pne		1894-1904	converted to HECP, WWII	
Lancaster	3 12" 1895	D 1897	1899-1918	partially buried for bridge	
&	1 12" 1888MI	D 1896		gun M1888MI-1/2	
Godfrey	3 12" 1888	B 1892	1895-1943		
Saffold	2 12" 1888MII	B 1892	1898-1943		
Howe	8 12" 1886	M 1891	1895-1920	1 empl. remains, others buried	
Wagner	8 12" 1886	M 1891	1895-1920	buried	
Stotsenburg	8 12" 1890MI	M 1896MI	1900-1943	4 guns removed 1918 to Ft. Funston	
McKinnon	8 12" 1890MI	M 1896MI	1900-1943		
Cranston	2 10" 1888MII	D 1896	1898-1943	built on	
Miller	3 10" 1888	D 1894	1898-1920		
East	2 8" B		1897-1915	converted Rodman rifles	
Slaughter	3 8" 1888	D 1896	1899-1917	partially buried	
Crosby	2 6" 1897MI	D 1898	1902-1943		
Chamberlin	4 6" 1903	D 1903	1904-1918	1-6" DC installed by NPS 1976 <u>Still emplaced</u> , being restored	
Chamberlin	2 6" 1900	P 1900	1920-1947	in modified DC emplacement	
Boutelle	3 5" 1897	BP 1896	1898-1918		
Sherwood	2 5" 1900	P 1903	1900-1917	guns to Ft. Funston	
Baldwin	2 3" 1898	MP 1898MI	1901-1920	partially buried	
Blaney	4 3" 1898	MP 1898MI	1907-1920		
Point	2 3" 1902	P 1902	1944-1945	guns from Yates, Ft. Baker	
Gate	2 3" 1902	P 1902	1942-1945	guns from Gravelly Beach, Ft. Baker	
AMTB Baker Beach	2 90 mm M1	F M3	1943-1946	buried	
FORT MASON	Black Point	1852-1975	Golden Gate National Recreation Area		*****
Burnham	1 8" 1888	D 1896	1900-1909	gun & carr to Ft. Columbia, built on	
FORT McDOWELL	Angel Island	1852-(1928)1947	state park	MC	*****
Drew	1 8" 1888	B 1892	1898-1915		
Wallace	1 8" 1888	D 1896	1901-1915		
Ledyard	2 5" 1900	P 1903	1901-1915	guns to Miley	
AMTB	90 mm M1	F M3		<i>Not Built?</i>	
FORT BAKER	Lime Point	, 1867-	Golden Gate National Recreation Area		MF
Spencer	3 12" 1888	B 1892	1893-1943	1 gun removed 1918	*****
Kirby	2 12" 1895	D 1897	1900-1941	1 gun replaced 1933	
Duncan	2 8" 1888	B 1892	1898-1917		
Wagner	2 5" 1897	BP 1896	1901-1917		
Yates	6 3" 1902	P 1902	1904-1943	4 guns removed 1941	
Gravelly Beach	2 3" 1902	P 1902	1942-1943	guns from Yates, part. buried	
AMTB Gravelly Beach	2 90 mm M1	F M3	1943-1946		

FORT BARRY	Point Bonita	1905-1975	Golden Gate National Recreation Area	MC	*****
#129	2 16"	CB M4	1943 NC	guns were at emplacement	
Alexander	8 12"	1890MI M 1896MI	1901-1943		
Mendell	2 12"	1895 DC 1897	1901-1943		
Wallace	2 12"	1895MI B 1917	1919-1947	casemated WWII	
Guthrie	2 6"	1900 P 1900	1905-1946		
Smith	2 6"	1900 P 1900	1905-1946		
Rathbone	2 6"	1900 P 1900	1905-1947		
McIndoe	2 6"	1900 P 1900	1905-1947		
O'Rorke	4 3"	1903 P 1903	1905-1945		
FORT CRONKHITE	Tennessee Point	1937-1975	Golden Gate National Recreation Area		*****
Townsley	2 16" MkIIIMI	CB M2	1940-1948	restoration, one 16" navy MkVII barrel on display	2012
unnamed	2 3" 1903	P 1903	1940s	training battery	

MD, Yerba Buena Island
MD, Alcatraz Is.

The Harbor Defenses of the Columbia

FORT STEVENS	Point Adams	1852-(1947)	state park, private	MF, MC	*****
Clark	8 12" 1890MI	M 1896MI	1899-1942	4 guns to Canby 1918	
Mishler	2 10" 1888MII	D 1896ARF	1897-1941	ARF, covered for HECP 1941	
Lewis	1 10" 1888MII	D 1894	1897-1920		
&	1 10" 1888MII	D 1896			
Walker	2 10" 1888MII	D 1894	1897-1920		
Russell	2 10" 1900	D 1901	1904-1944		
Pratt	2 6" 1897MI	D 1898	1902-1943	battery being restored, full scale replica gun & carriage	
Freeman	2 6" 1900	P 1900	1902-1920	6" guns to Willapa Bay, empl. destroyed	
&	1 3" 1898	MP 1898MI	1902-1920		
#245	2 6" M1	SB M4	1944-1947	2-5" naval gun mounts in empl. as display 1981	
Smur	2 3" 1898	MP 1898MI	1902-1920		
AMTB #1	2 90 mm M1	F M4	1943-1946	Clatsop Spit	
FORT COLUMBIA	Chinook Point	1864-(1947)	state park	MC	*****
Ord	2 8" 1888	D 1896	1898-1917		
&	1 8" 1888	D 1894	1898-1917	Originally named Neary, now buried	
Murphy	2 6" 1897MI	D 1898	1900-1945		
#246	2 6"	SB M4	1944 NC	2 guns & carr. from Ft. McAndrew installed 1994	
Crenshaw	3 3" 1898	MP 1898MI	1900-1920		
FORT CANBY	Cape Disappointment	1852-(1947)	state park, USCG		**
Guenther	4 12" 1890MI	M 1896MI	1921-1942	guns from Stevens	
Allen	3 6" 1903	D 1903	1906-1945	3 guns removed 1917, 2 guns replaced 1918	
O'Flyng	2 6" 1903	D 1903	1906-1918	guns to Allen	
#247	2 6" M1	SB M4	1944-1947		
AMTB #2	2 90 mm M1	F M3	1943-1946	Jetty	

The Harbor Defenses of Grays Harbor (temporary)

	North Cove (Willapa Bay)				*
unnamed	4 12"	M	1919-1919	NA	
unnamed	2 6" 1900	P 1900	1919-1932	guns from Ft. Stevens, later moved to Ft. Worden, under water	
unnamed	2 155 mm	PM		destroyed	
	Westport, private				*
unnamed	4 12"	M	1919	NA, covered	
#1	4 12"	RM	1942	at Pt. Brown- unknown	
#2	2 6" Navy	Navy P	1942-1944	one empl remains near park	
	4 6" navy	Navy P	1942	at Point Brown, one empl remains in water	
unnamed	2 5" 1897MI	BP 1896	1919-1919	guns from Lee, Ft. Flagler, one empl remains	
North	2 155 mm	PM	1942	one empl remains in park	
South	2 155 mm	PM	1942	destroyed	
Markham	2 155 mm	PM	1942	on school property, extant	

The Harbor Defenses of Puget Sound

FORT WARD	Bean Point	1903-(1928)1938	private, metro park	MF, MC	***
Nash	3 8" 1888	D 1896	1903-1918	private	1 gun M1888MII
Warner	2 5" 1900	P 1903	1903-1925	private	
Thornburgh	4 3" 1898	MP 1898MI	1903-1920		
Vinton	2 3" 1898	MP 1898MI	1903-1920	lower rooms filled	

Middle Point Military Reservation				state park	MF, MC	***
Mitchell	2 3"	MP	1903 NA	across channel from Ft. Ward		
FORT WHITMAN	Goat Island	1909-(1947)	state game refuge	MC		**
Harrison	4 6"	1908	D 1905MI	1911-1943		
FORT FLAGLER	Marrowstone Island 1898-1954			state park		****
Bankhead	8 12"	1890MI	M 1896MI	1902-1942		
Wilhelm	2 12"	1888MII	AGL 1891?	1898-1942		
Rawlins	2 10"	1888MII	B 1893	1899-1918	both empl. mod. for 3-in AA (3rd AA empl. separate)	
Revere	2 10"	1888MII	B 1893	1899-1941	guns and carriages to Canada	
Calwell	4 6"	1903	D 1903	1904-1918		
Grattan	2 6"	1903	D 1903	1905-1918		
Lee	2 5"	1897MI	BP 1896	1901-1918	guns to Grays Harbor	
Downes	2 3"	1903	P 1903	1905-1946		
Wansboro	2 3"	1903	P 1903	1906-1946	2 guns repl. 1963 from Ft. Wint for display	
AMTB Marrowstone	2 90 mm M1	F M3		1943-1946	in surf	
FORT CASEY	Admiralty Head	1897-1953	state park, college extention campus			*****
Schenck	8 12"	1890MI	M 1896MI	1899-1942	no mortars removed, two tubes were M1890	
Seymour	8 12"	1890MI	M 1896MI	1899-1942	Schneck mortars held in reserve for temp. batteries	
Kingsbury	2 10"	1895	D 1896	1902-1942	2 guns rem. 1918, 1 repl 1920, 2 empl. mod. for 3-in AA	
&	1 10"	1900	D 1901			
Moore	3 10"	1895	D 1896	1904-1942	1 empl. mod. for 3-in AA	
Worth	2 10"	1895	D 1896	1898-1942	M1901 guns and carr. repl 1963 from Warwick, Ft. Wint	
Parker	2 6"	1903	D 1903	1905-1918		
Valleau	4 6"	1903	D 1903	1907-1918		
Turman	2 5"1897MI	BP 1896		1901-1918		
Trevor	2 3"	1903	P 1903	1905-1933	2 guns repl 1963 for display	
Van Horne	2 3"	1903	P 1903	1905-1945		
FORT WORDEN	Point Wilson	1898-1954	state park	MF?		*****
Brannan	8 12"	1890MI	M 1896MI	1901-1943		
Powell	8 12"	1890MI	M 1896MI	1901-1943		
Ash	2 12"	1888MII	B 1892	1900-1942		
Kinzie	2 12"	1895MI	D 1901	1910-1944		
Benson	2 10"	1900	D 1901	1907-1943		
Quarles	3 10"	1888MII	B 1893	1900-1941	guns & carr. to Canada, one gun SE at Ft. McNutt	
Randol	2 10"	1888MI	B 1893	1900-1918		
Stoddard	4 6"	1903	D 1903	1906-1918		
Tolles	4 6"	1903	D 1903	1905-1943	2 guns rem '18	
"Tolles B"	2 6"	1900	P 1900	1937-1947	in empty Tolles empl, 2-6" P from Willapa Bay	
Vicars	2 5"1897MI	BP 1896		1902-1918		
Putnam	2 3"	1903	P 1903	1907-1945		
Walker	2 3"	1903	P 1903	1907-1946		
AMTB Pt. Wilson	2 90 mm M1	F M3		1943-1946	In surf	
Ebey's Landing				private		X
AMTB Ebey's Lndg	2 90 mm M1	F M3		1943-1946	destroyed	
FORT EBAY	Partridge Point			state park		**
#248	2 6"	1905A2	SB M1	1943-1946		
Deception Pass				state park		X
North & South	4 3"	P		Not Built		
Cape George						X
unnamed	4 12"	RM		193?	NA, empl cuts remain	
unnamed	4 8"	RY			Tibbels Bluff	
Angeles Point						X
unnamed	4 155 mm	PM		1942		
CAMP HAYDEN	Striped Peak			county park/state land		**
#131	2 16" Mkiimi	CB M4		1944-1948		
#249	2 6" M1	SB M4		1945-1948		
FORT HAYDEN (Cape Flattery Military Res.)				Makah Indian Res		X
[#132]	2 16"	CB	Not Built		Construction initiated on all sites, ended 1943	
[#133]	2 16"	CB	Not Built			
[#250]	2 6"	SB	Not Built			
[#251]	2 6"	SB	Not Built			
Canadian sites, British Columbia						*
	2 8"	RY		1941-1943	Christopher Point, Vancouver Is.	
	2 8"	RY		1941-1943	Fairview, Prince Rupert	

The Harbor Defenses of Honolulu, Hawaii

FORT RUGER		Diamond Head 1906-now		Nat'l. Guard, State Dept. Land Nat. Res. State Civil Def. ***	
Harlow	4	12"	1890MI	M 1896MI	1910-1943
&	4	12"	1890MI	M 1896MII	
Birkhimer	4	12"	1890MI	M 1896MI	1916-1943 rebuilt, site modified
Granger Adams	2	8"	1888MII	B 1918	1935-1946 Black Pt., destroyed
#407	2	8"		B M1	1942 NA tunneled into rock
S.C. Mills	2	5"	1900/05	BP 1903/07	1916-1925 Black Pt., guns from Mott, destroyed
Dodge	2	4.7" Armstr	Armstrong		1915-1925 2-4" NP WWII, orig. barrels at NG Armory Wahiawa
Hulings	2	4.7" Armstr	Armstrong		1915-1925
unnamed	12	2.24"		Ped.	1915-1919 emplacements for 6 pdr. parapit mounts
Ruger	4	155 mm	PM		1942-1943 destroyed
<u>Wiliwilinui Ridge M.R.</u>		private		*	
Kirkpatrick	4	8"	2 x Navy T		1942-1948
Wili	4	155 mm	PM		destroyed
FORT DeRUSSY		Waikiki Beach 1908- now		Army recreation center, Army Museum *	
Randolph	2	14"	1907	D 1907	1913-1944 2 - 7" guns now in emplacements, being restored
Dudley	2	6"	1908	D 1905MI	1913-1946 destroyed '69
AMTB No. 5	2	90 mm M1	F M3		1943-1946 destroyed
FORT ARMSTRONG		Kaakaukukui Reef 1899		private MF, MC X	
Tiernon	2	3"	1903	P 1903	1911-1943 destroyed
<u>Sand Island Military Reservation</u>					
Sand	4	155 mm	PM		1937-1943 destroyed
Harbor	4	7" Navy	Navy P		1942-1944
AMTB No. 4 (Sand)	2	90 mm M1	F M3		1943-1946 destroyed
Ala Moana AMTB	2	90 mm M1	F M3		1943-1945 Ala Moana Beach Park, destroyed
<u>Other locations- Honolulu</u>					
#304	2	6"	SB	1942 NC	Punchbowl
[#305]	2	6"	SB	<i>Not Built</i>	Koko Saddle
unnamed	2	240 mm	H 1918	1929-1941	Waimanalo
unnamed	2	240 mm	H 1918	1927-1941	Kaawa, buried
unnamed	2	240 mm	H 1918	1927-1941	Ulupau, destroyed 1992
Punchbowl	4	155 mm	PM	1943-1944	Punchbowl, 1 empl. remains
Koko Head	2	155 mm	PM	1941-1942	Koko Head
School	4	155mm	PM	1942-1944	Kamehameha School
<u>The Harbor Defenses of Pearl Harbor, Hawaii</u>					
FORT BARRETTE		Kapolei 1934		city/county park ***	
Hatch	2	16" MkIIIMI	B 1919M1	1934-1948	casemated-WWII
FORT WEAVER		Puuloa 1899 (1922)		Navy Housing *	
Williston	2	16"	1919	B 1919	1924-1948 ARF, destroyed
AMTB No. 1	2	90 mm M1	F M3		1943-1945
Weaver	4	155 mm	PM		
FORT KAMEHAMEHA		Queen Emma Point 1908-1949		Hickam AFB MF?, MC ***	
Hasbrouck	8	12"	1908	M 1908	1914-1943
Clossen	2	12"	1895MI	B 1917	1924-1948 casemated 1942
Selfridge	2	12"	1895MII	D 1901	1913-1945
Jackson	2	6"	1908	D 1905MI	1913-1943
Ahua	3	5" Navy	Navy P		1942-1944 Ahua Pt.
Barri	2	4.7" Armstr	Armstr-CM		1915-1924 Bishop Pt., destroyed
Chandler	2	3"	1903	P 1903-CM	1915-1942 Bishop Pt., destroyed
Hawkins	2	3"	1903	P 1903	1914-1943
AMTB No. 2	2	90 mm M1	F M3		1943-1946
AMTB No. 3	2	90 mm M1	F M3		location?
AMTB No. 6	2	90 mm M1	F M3		location?
Kam	4	155 mm	PM		
<u>Puu O Hulu M.R.</u>					
"Hulu"	2	7"	Navy CM	1942-1944	incorporated into BCN #303
#303	2	6"	SB	1942 NC	tunneled into rock

Other locations- Pearl Harbor

Arizona	3	14"	Navy Turr	1945	NC	Kahe Pt., from <i>USS Arizona</i>
Burgess	4	8"	2 x Navy T	1942-1948		(Salt Lake) near Aliamanu Crater, destroyed
Brown's Camp	4	8"	RY	1937-1944		Browns Camp, Kahe Point
"Homestead"	3	7" Navy	Navy P	1942		Keaau Homesteads
Adair	2	6" Armstr	Armstr-CM	1917-1925		Ford Island, empl. elsewhere earlier ?
Boyd	2	6" Armstr	Armstr-CM	1917-1925		Ford Island
Nanakuli	2	5" Navy	Navy P	1941-1943		and 1-3" NP, destroyed
Oneula	2	5" Navy	Navy P	1942-1944		Oneula Beach (Ewa) destroyed
unnamed	2	240 mm	H 1918	1931-1941		Laie
unnamed	1	240 mm	H 1918	1927-1941		Pupukea
unnamed	3	240 mm	H 1918	1930-1941		Makua
Awanui	4	155 mm	PM	1942-1944		Brown's Camp
Barber's Point	4	155 mm	PM	1937-1942		Barber's Point, destroyed
"X-Ray"	4	155 mm	PM	1942-1944		Oneula Beach, destroyed
Homestead	4	155 mm	PM	1942-1944		Makua Military Reservation
Kahe Point	4	155 mm	PM	1942-1944		Kahe Point

The Harbor Defenses of Kaneohe Bay and the North Shore of Oahu, Hawaii

FORT HASE	Mokapu Point	1942	Marine Corps Base, Hawaii	**
Pennsylvania	3	14"	Navy Turr	1945-1948
Demerritt (#405)	2	8" MkVI3A2 B M1		Ulupau Head, from <i>USS Arizona</i>
Sylvester	4	8" 1890MI	RY 1918	1944-1948
French (#301)	2	6" 1903A2	SBC M1	1942-1944
East Beach	4	155 mm	PM	
North Beach	4	155 mm	PM	
Pyramid Rock	4	155 mm	PM	
Paumalu M.R.	Waialeee			
[#408]	2	8"	B	<i>Not Built</i>
[unnamed]	4	8"	RY	<i>Not Built</i>
Kawaiola M.R.				
unnamed	4	8"	RY	1940-1942
unnamed	4	155 mm	PM	
Opaeula M.R.				
Riggs	4	8"	2 x Navy T	1942-1948
Brodie Camp M.R.	Helemano			
Ricker	4	8"	2 x Navy T	1942-1948
Kaena Point M.R.				
#409	2	8"	B	1942 NC
Other locations- North Shore				*

Kahuku	4	8" 1888MII	RY 1918	1940-1944	dismounted RY with shields, 1 empl. remains
Cooper (#302)	2	6" 1903A2	SB M1	1944-194?	Lae o ka oio (opposite Kaioi Pt.), tunnels
Kahana	2	5" Navy	Navy P	1942-1943	Kahana Bay
Wailia	2	3" 1903	P 1903	1942-1943	Wailia Pt., guns from Chandler, repl by 90m F?
AMTB No. 7	2	90 mm M1	F M3	1943-1945	2-90 mm M/ 2-37 mm M, S. Pyramid Rock, 1 empl. rem.
AMTB No. 8	2	90 mm M1	F M3	1943-1945	2-90 mm M/ 2-37 mm M, destroyed
Kahuku/Ranch	4	155 mm	PM	1941-1945	Kahuku
Loko	4	155 mm	PM	1942-1944	Kualoa Ranch
Ashley	4	155 mm	PM	1939-1944	Ashley Military Reservation
Kaena	2	4" Navy	Navy P	1942	later converted to 155 mm site
Kalihi	2	4" Navy	Navy P	1942	Mokueo Is?
Dillingham	2	4" Navy	Navy P	1942	Mokuleia
Kaneohe	2	4" Navy	Navy P	1942	Kaneohe Bay

Oahu howitzer positions manned by field artillery units

Kalihi	2	240 mm	H 1918	1941-1944	Kalihi, atop Koalau Range
"Quadropod"	2	240 mm	H 1918	1941-1944	Paalaa
unnamed	2	240 mm	H 1918	1941-1944	Kole Kole Pass
unnamed	2	240 mm	H 1918	1941-1944	Kunia

Other locations- other islands

unnamed	2	7" Navy	Navy CM	1942	Ahukini, Kauai Is.
unnamed	2	7" Navy	Navy CM	1942	Monument, Kauai Is.

The Harbor Defenses of Manila and Subic Bays, the Philippines

FORT MILLS		Corregidor Island		Philippine National Monument	2-MF, MC	*****
Hearn	1	12"	1895MI	B 1917	1921	<u>Still Emplaced</u> + spare barrel
Smith	1	12"	1895MI	B 1917	1921	<u>Still Emplaced</u>
Way	4	12"	1890MI	M 1896MI	1910	<u>Still Emplaced</u>
Geary &	4	12"	1890MI	M 1896MI	1910	4 guns from Ft. Andrews, part. dest., 6 tubes at site
Cheney	4	12"	1908	M 1908		
Wheeler	2	12"	1895/MI	D 1901	1910	<u>Still Emplaced</u>
Crockett	2	12"	1895MI	D 1901	1910	<u>Still Emplaced</u> + spare barrel
Grubbs	2	10"	1895MI	D 1901	1911	<u>Still Emplaced</u> + spare barrel
RJ 43	1	8"	1888MII	B 1918	1942	gun barrel at wharf (also 1-8" BC near Bagac, Bataan)
Morrison	2	6"	1905/08	D 1905MI	1910	<u>Still Emplaced</u> + spare barrel
Ramsey	3	6"	1905	D 1905/MI	1911	1 gun <u>Still Emplaced</u> , 2 barrels outside emplacement
James	4	3"	1903	P 1903	1910	
Keyes	2	3"	1903	P 1903	1913	
Cushing	2	3"	1903	P 1903	1919	reachable only by boat
Hanna	2	3"	1903	P 1903	1919	empl #1 intact, empl # 2 buried
Martin	2	155 mm	PM			
Hamilton (South)	3	155 mm	PM			
Kysor (North)	2	155 mm	PM			
Rock Point	2	155 mm	PM			
Sunset	4	155 mm	PM			
Stockade	2	155 mm	PM			
Monja	2	155 mm	PM			one emplacement was casemated
Concepcion	3	155 mm	PM			
Levagood	2	155 mm	PM			
FORT FRANK		Carabao Island		abandoned		**
Greer	1	14"	1907MI	D 1907	1913	partially destroyed
Crofton	1	14"	1907MI	D 1907	1913	partially destroyed
Koehler	8	12"	1908	M 1908	1913	partially destroyed
Hoyle	2	3"	1903	P 1903	1913	removed before WWII, partially destroyed
Frank	4	155 mm	PM			
FORT DRUM		El Fraile Island		abandoned		** +
Wilson	2	14"	1909	TM 1910	1918	<u>Still Emplaced</u>
Marshall	2	14"	1909	TM 1910	1918	<u>Still Emplaced</u>
Roberts	2	6"	1908MII	CM 1910	1918	1 gun <u>Still Emplaced</u>
McCrea	2	6"	1908MII	CM 1910	1918	partially destroyed
New Hoyle	1	3"	1903	P 1903		installed 1941, gun ped. remains
FORT HUGHES		Caballo Island		Philippine Naval Station	MF, MC	** +
Woodruff	1	14"	1910	D 1907MI	1914	<u>Still Emplaced</u>
Gillespie	1	14"	1910MI	D 1907MI	1914	<u>Still Emplaced</u>
Craighill	4	12"	1912	M 1896MIII	1919	<u>Still Emplaced</u>
Leach	2	6"	1908	D 1905MII	1914	empl. destroyed, 1 barrel present
Fuger	2	3"	1903	P 1903	1914	buried
Willaims	2	155 mm	PM			
Hooker	1	155 mm	PM			
FORT WINT		Grande Island, Subic Bay		to Philippines 1992, radar site	MF, MC	**
Warwick	2	10"	1895MI	D 1901	1910	guns to Casey 1967, built on
Woodruff	2	6"	1905	D 1905	1910	partially destroyed by magazine explosion after WW II
Hall	2	6"	1905	D 1905	1910	Mag dest. post war, guns & carr. <u>Still Emplaced</u>
Flake	4	3"	1903	P 1903	1910	2 guns to Casey 1963
Jewell	4	3"	1903	P 1903	1910	2 guns repl Navy 3", 2 guns to Flagler 1963
unnamed	4	155 mm	PM			Ogonbolo, Bataan

The Harbor Defenses of Cristobal, Panama (Panama Canal Zone, Atlantic side)

FORT RANDOLPH	Margarita Island	1911	to Panama, 1979; commercial development		**
Webb	2 14" 1910	D 1907MI	1912-1948		
#1	2 14" 1920	RY 1920	1928-1948	2 guns for Panama, 4 empl. (#1 & #8)	
Tidball	4 12" 1912	M 1896MIII	1912-1943		
Zalinski	4 12" 1912	M 1896MIII	1912-1943		
Weed	2 6" 1908MII	D 1905MII	1912-1946		
X(4A)	4 155 mm	PM	1940		
2C	4 155 mm	PM			
5A	4 155 mm	PM			
FORT DeLESSEPS	Colon	1911	to Panama, 1950s		**
Morgan	2 6" 1908MII	P 1910	1913-1944	modified casemate mounts M1910	
AMTB #3b	4 90 mm M1	F M3	1943-1948	Cristobal mole, built over	
FORT SHERMAN	Toro Point	1911	MF, MC	to Panama 1999	****
[#151]	2 16"	CB	<i>Not Built</i>		
Mower	1 14" 1910	D 1907MI	1912-1948		
Stanley	1 14" 1910	D 1907MI	1912-1948		
Howard	4 12" 1912	M 1896MIII	1912-1943		
Baird	4 12" 1912	M 1896MIII	1912-1943		
Pratt	2 12" 1895MI	B 1917	1924-1948	Iglesia Pt., casemated-WWII	
MacKenzie	2 12" 1895MI	B 1917	1924-1948	Iglesia Pt., not rebuilt	
Kilpatrick	2 6" 1908	D 1905MII	1913-1946		
W	4 155 mm	PM	1940		

Other sites

U	4 155 mm	PM	1918	Tortuguilla Point (the original "Panama" mounts)	?
V	4 155 mm	PM	1940	Naranjitos Point	
Y	4 155 mm	PM	1940	Palma Media Island	
Z(1A)	4 155 mm	PM	1940	Galetta Is.	
1B	4 155 mm	PM		Galetta Is.	

The Harbor Defenses of Balboa, Panama (Panama Canal Zone, Pacific Side)

FORT KOBBE (ex-Ft. Bruja)	Bruja Point	to Panama 1999		**
Murray	2 16" MkIIMI	B 1919MI	1926-1948	Bruja Pt., casemated-WWII
Haan	2 16" MkIIMI	B 1919MI	1926-1948	Batele Pt., not casemated, empl. buried
AMTB #6	4 90 mm M1	F M3	1943-1948	
Z (3A)	2 155 mm	PM		
FORT AMADOR	Balboa	to Panama, 1997; commercial development		*
Birney	2 6" 1908	D 1905MII	1913-1943	buried
Smith	2 6" 1908	D 1905MII	1913-1943	buried
FORT GRANT	Balboa	to Panama, 1979		MF, MC
Newton	1 16" 1895	D 1912	1914-1943	Perico Is., filled to loading platform level
Buell	2 14" 1910	DC 1907MI	1912-1948	Naos Is., one emplacement filled
Burnside	2 14" 1910	DC 1907MI	1912-1948	Naos Is., emplacements filled
Warren	2 14" 1910	DC 1907MI	1912-1948	Flamingo Is., empls. filled to parapit edge
Prince	4 12" 1912	M 1896MIII	1912-1943	Flamingo Is., modified for shopping center
Merritt	4 12" 1912	M 1896MIII	1912-1943	Flamingo Is., modified for shopping center
Carr	4 12" 1912	M 1896MIII	1912-1943	Flamingo Is.
Parke	2 6" 1908	D 1905MII	1912-1948	Naos Is., destroyed for condominiums
#8	2 14" 1920	RY 1920	1928-1948	Culebra Is., empl (see #1, Randolph), covered
T	2 155 mm	PM		Flamenco Is.
U (10A)	2 155 mm	PM		Flamenco Is.
V (10B)	2 155 mm	PM		Culebra Is.
Other sites				?
W (1B)	4 155 mm	PM		Taboquilla Is.
2B	2 155 mm	PM		Taboquilla Is.
	4 155 mm	PM		Paitilla Pt.
X	2 155 mm	PM		Urara Is.
Y (1A)	4 155 mm	PM		Taboga Is.

The Harbor Defenses of Sitka, Alaska

FORT BABCOCK		Shoals Pt., Kruzof Is.		Tongass Natl. Forest		**
#290	2	6"	SB	NC	88% complete	
	2	6" Navy	Navy P	1942	named Allen? repl by BCN 290	
FORT PEIRCE		Biorka Is.		FAA and USCG		**
#291	2	6" 1903A2	SB M1	NC	98% complete	
FORT ROUSSEAU		Makhnati Is.		State of Alaska		**
#292	2	6" 1903A2	SB M1	1944-1950	completed	
	4	155 mm	PM			
	Other location					?
AMTB 1	2	90 mm M1	F M3	WWII	Watson Pt., buried? Church school	
AMTB 2	2	90 mm M1	F M3	WWII	Whale Is.	

The Harbor Defenses of Seward, Alaska

FORT McGILVRAY		Caine's Head		state recreation area		**
#293	2	6" 1903A2	SB M1	NC	99% complete	
AMTB	2	90 mm M1	F M3	WWII	Lowell Point, moved to Whittier	
Rocky Point	4	155 mm	PM			
FORT BULKLEY		Rugged Is		State of Alaska		**
#294	2	6" 1903A2	SB M1	NC	90% complete	

The Harbor Defenses of Kodiak, Alaska

FORT J.H. SMITH		St. Peters Head, Chiniak		Lesnoi Corp.		**
#403	2	8" MkVI3A2 B M1		1944-1950	1 gun tube at Buskin River Inn near airport	
{#295}	2	6"	SB	<i>Not Built</i>		
Chiniak	4	155 mm	PM			
FORT TIDBALL		Castle Bluffs, Long Island		Lesnoi Corp		**
#296	2	6" 1903A2	SB M1	1944-1950	2 shields remain (no carr)	
Deer Point	4	155 mm	PM		Deer Point	
FORT ABERCROMBIE		Miller Point		state park		**
#404	2	8" 8" MkVI3A2		B M1	1944-1950	2 gun tubes displayed at battery
AMTB	2	90 mm	F	WWII	Spruce Cape	
	Other Kodiak locations					?
{#297}	2	6"	SB	<i>Not Built</i>	East Cape, Spruce Is.?	
AMTB	2	90 mm M1	F M3	WWII	Puffin Is.	
Artillery Hill	4	155 mm	PM		Bushkin Hill	

The Harbor Defenses of Dutch Harbor, Alaska

FORT LEARNARD		Eider Point, Unalaska		Unalaska Corp.		**
#298	2	6" 1903A2	SB M1	1944-1950	2 shields (no carr.) remain at site	
AMTB 3a	2	90 mm M1	F M3	WWII		
FORT SCHWATKA		Ulakta Head, Amaknak Is.		Aleutian WWII Natl. Hist. Area		**
#402	2	8" MkVI3A2 B M1		1944-1950		
{#299}	2	6"	SB	<i>Not Built</i>		
AMTB	2	90 mm M1	F M3	1944-1950	on spit at Dutch Harbor	
Mt. Ballyhoo	4	155 mm	PM			
Hill 400	4	155 mm	PM		Fort Mears, Amaknak Is.	
FORT BRUMBACK		Summer Bay				**
Summer Bay	4	155 mm	PM			

other Alaskan positions

2	6" Navy	Navy P	Cold Bay, Mortensen Pt.
2	6" Navy	Navy P	Chernofski
2	6" Navy	Navy P	Umnak, Sheep Pt.
1	6" Navy	Navy P	George Is., <u>still emplaced</u>
2	6" Navy	Navy P	Yakutat, Point Carrew, <u>still emplaced</u>
2	6" Navy	Navy P	Nome
2	6" Navy	Navy P	Annette Is.
2	6" Navy	Navy P	Adak Is.
2	6" Navy	Navy P	Shemya Is.
2	6" Navy	Navy P	Popof Is., Sand Point
4	155 mm	PM	Cold Bay, Mortensen Pt.
2	155 mm	PM	Umnak, Umnak Pass

7	155 mm	PM	Umnak?
4	155 mm	PM	Yakutat, Point Carrew
4	155 mm	PM	Annette Is.
?	155 mm	PM	Adak Is.
?	155 mm	PM	Shemya Is.
2	155 mm	PM	Attu Is., Murder Point
2	155 mm	PM	Attu Is., Chichagof Pt.
8	155 mm	PM	Amchitka Is.
AMTB	2 90 mm M1	F M3	Whittier, from Seward defenses
AMTBs	6 90 mm M1	F M3	Amchitka Is.
AMTBs	8 90 mm M1	F M3	Adak Is.
AMTB	2 90 mm M1	F M3	Shemya Is., 1 gun remains, reloaded from?

Defenses in Newfoundland, CanadaFORT McANDREW Argentia, St. Johns, Stephenville, other locations; commercial development, private, parkland ***

	2 10"	B	1942-44	M1888 guns, St. Johns
	2 10"	B	1941-44	Fort McNutt, Shelburne
	2 10"	B/D	1942-44	Fort Prevel, Gaspe, Quebec
	2 10"	D	1942-43	Wiseman Cove, Botwood
#T2212	2 8"	RY	1941-44	Signal Hill, later Red Cliff Head, St. Johns
#281	2 6" 1903A2	SB M1	WWII	Argentia North, guns to Ft. Columbia 1993
#282	2 6" 1903A2	SB M1	WWII	<u>Still Emplaced</u> , Argentia Hill 195
#954	2 6" Navy	Navy P	WWII	Shalloway Pt., Argentia
#604	2 6" Navy	Navy P	WWII	Latine Point, Argentia
	2 3"	P	1942	Isaac Point, Argentia (relocated to Airport)
#955	2 3"	P	1942-44	Airport, Argentia
#T8503	2 155 mm	PM	WWII	Harmon Field, Stephenville
#T1653	2 155 mm	PM	WWII	St. Johns
AMTB	2 90 mm M1	F M3	WWII	Roche Pt., Argentia, covered
AMTB	2 90 mm M1	F M3	WWII	Ship Harbor Pt. ? Argentia
AMTB	2 90 mm M1	F M3		not built?

Defenses in Bermuda

**

	2 8"	RY	1941-44	Scaur Hill
	2 8"	RY	1941-44	Fort Victoria
#283	2 6" 1903A2	SB M1	1943-46	Stone (Tudor) Hill, Southampton Parish
#284	2 6" 1903A2	SB M1	1943-46	Fort Victoria, St. Georges Is. covered
	2 155 mm	PM	1942-46	Turtle Hill
	2 155 mm	PM	1942-46	Cooper's Island
AMTB	4 90 mm	F	?	Fort Victoria

Defenses in Jamaica (planned)Portland Bight, Heathshire

X

#285	2 6"	SB	<i>Not Built</i>	battery location moved to Vieques Is.
------	------	----	------------------	---------------------------------------

Defenses in Guantanamo Bay, Cuba

U.S. Naval Station	never armed by Army	?
4 6"	D	191?-NA Conde' Bluff Reservation Taft-era, Carr. mounted
4 3"	P	NA Cuzco Hill Reservation

The Harbor Defenses of Vieques Sound, Puerto Rico, Virgin Islands (Roosevelt Roads)FORT CHARLES W. BUNDY, Roosevelt Roads Naval Station, Puerto Rico now private & government *

[#152]	2 16"	CB	<i>Not Built</i>	Punta Mata Redonda
[#155]	2 16"	CB	<i>Not Built</i>	Punta Yeguas
#406	2 8" MkVI3A2 B M1	NC?-1948		Punta Mata Redonda, magazine not built
#265	2 6" 1903A2	SB M1	WWII	Isla Pineros
#268	2 6" 1903A2	SB M1	WWII	Punta Lima, now a prison
[#311]	2 6"	SB	<i>Not Built</i>	Cabo San Juan
AMTB	2 90 mm M1	F M3	WWII	Punta Algodones, HECP-HDCP
[AMTB]	4 90 mm	F	<i>Not Built?</i>	
	2 155 mm	PM		Punta Yeguas

Vieques Island sites					X
[#153]	2	16"	CBC	<i>Not Built</i>	Mt. Pirata, Vieques Is.
[#154]	2	16"	CBC	<i>Not Built</i>	Cerro Matias Jalobre, Vieques Is. (orig. Culebra Is.)
[#266]	2	6"	SBC	<i>Not Built</i>	Cerro Martineau or Punta Mulas, Vieques Is.
[#267]	2	6"	SBC	<i>Not Built</i>	Punta Arenas or Mt. Pirata, Vieques Is.
[#285]	2	6"	SBC	<i>Not Built</i>	East End, Vieques Is.
Culebra Island sites (planned)					X
[#312]	2	6"	SBC	<i>Not Built</i>	North Pt.
[#313]	2	6"	SBC	<i>Not Built</i>	Dolphin Hd.
FORT SEGARRA	St. Thomas Island sites 1944				
#401	2	8" MkVI3A2 B M1	NC -1948	Fortuna Hill, gunblocks only	
#314	2	6" SB M4	NA (97%)	Flamingo Pt., Water Is.	
[#315]	2	6" SBC	<i>Not Built</i>	Hill 411	
AMTB	2	90 mm F	WWII	Water Is. (Ft. Sagarra)	
AMTB	4	90 mm F	WWII	Water Is.	

The Harbor Defenses of San Juan, Puerto Rico

FORT MASCARO	Punta Salinas	National Guard			**
Buckey (#261)	2 6" SB M4	WWII	NA? Punta Salinas		
Pence (#262)	2 6" 1903A2 SB M1	WWII	East Salinas Island		
FORT AMEZQUITA	Las Cabras Is.	San Juan park			**
Reed	2 12" 1895MI CB 1917	1941-1948	guns from Torbert, Ft. Delaware, new carr.		
Cabras Island	4 155 mm PM	1941-			
AMTB	2 90 mm M1 F M3		mobile only?		
Punta Escambron					X
Schwan (#263)	2 6" 1903A2 SB M1	WWII	dest., 1965		
Punta Cangrejos					*
Lancaster (#264)	2 6" 1903A2 SB M1	WWII	modified		
FORT BROOKE	El Morro	National Park Service			**
"Point"	1 3" P	WWII	HECP-HDCP, exam battery		
Morro	1 4.7" Armstr	Armstrong	1917-1921	gun & mount orig. from Gatewood, Monroe	
Princesa	1 4.7" Armstr	Armstrong	1917-1921	gun & mount orig. from Gatewood, Monroe	
St. Elena	1 4.7" Armstr	Armstrong	1917-1921	gun & mount orig. from Gatewood, Monroe	
La Princesa	4 155 mm PM	1941-			
Other Puerto Rico 155 mm batteries					?
Acuda (Aguada)	4 155 mm PM	1941-	Aguadilla		
Algarrobo	4 155 mm PM	1941-	Mayaguez		
Ponce	4 155 mm PM	1941-	Ponce		
Borinquen East	2 155 mm PM	1941-	Borinquen		
Borinquen West	2 155 mm PM	1941-	Borinquen		

Planned defenses in Trinidad

Fort Read (planned)						X		
	2	12"	CBC	<i>Not Built</i>	Corozol Pt.			
	2	12"	CBC	<i>Not Built</i>	Chacachara Is.			
[#271]	2	6"	SBC	<i>Not Built</i>	Corozal Pt.			
[#272]	2	6"	SBC	<i>Not Built</i>	north Monos Is.			
[#273]	2	6"	SBC	<i>Not Built</i>	south Monos Is.			
[#274]	2	6"	SBC	<i>Not Built</i>	Chacachara Is.			
[#275]	2	6"	SBC	<i>Not Built</i>	Green Hill			
	24	155 mm PM	WW II	various locations				
AMTBs	8	90 mm F	<i>Not Built</i>	later reduced to 4 planned				
Other AMTB sites					?			
Bluie West 1	2	90 mm M1 F M3	1942-44	Narsarsuaq, Greenland				
Bluie West 7	2	90 mm M1 F M3	1942-44	Kangilinnguit, Greenland				
AMTBs	16	90 mm F	<i>Not Built?</i>	Iceland				

United States Major Gun Seacoast Batteries Built or Modified During the Years 1918-1945

by Mark A. Berhow

Originally published in the *CDSG Journal* Vol. 8, Iss. 4 (Nov. 1994) pp. 34-38. List updated January 2020. Additional information provided by Alvin C. Grobmeier, Robert D. Zink, Glen Williford, Mark Henkiel, Dave Kirchner, and Charles B. Robbins

Names: Battery names are denoted by the full name of the person they were named for; the bracketts enclose the part of that person's name not included in the official battery name. In 1940 a battery construction number (BCN) was assigned for identification purposes to each battery being built. The BCN was to be dropped when the battery was officially named, but as many of the 1940-45 batteries were not named by the Army, the BCNs have been retained as unofficial names.

Structure Status: Most of the batteries still remain and are unmodified except those denoted in the BCN or name columns as either:

* structure destroyed § in danger of destruction † structure modified and/or built on Δ current restoration efforts, see note ¹⁷

Locations: Ft. stands for Fort, MR stands for Military Reservation.

Battery Status in 1946: The following abbreviations are used in this column: CM—original open emplacements casemated during 1942-44; DA—disarmed 1944; S—battery retained inactive; RM—battery not casemated but was to have been modernized with a shield for the protection of the gun crew which retained the 360 degree firing arc; RC—battery to have been casemated but project canceled; C—completed, NC—not completed; NA—not armed (no gun tube); NB—not built¹ (also indicated by italicized brackett /###/ BCN); PC—partially completed (gun emplacements built, guns mounted but magazines not completed).

Batteries built prior to 1940 still retained in mid-1945

16-inch M1919MII & MIII Army guns on BCLR batteries

Name	Harbor Defense	Location	Built	Status in 46	carriage model
Edward B. Williston*	Pearl Harbor	Ft. Weaver	1921-24	RM	M1919
Henry L. Harris	New York	Ft. Tilden	1921-23	CM	M1919
Frank S. Long †	Boston	Ft. Duvall	1921-27	CM	M1919

16-inch M1920 Army howitzer on BCLR batteries built 1921-22

Name	Harbor Defense	Location	Built	Status in 46	carriage model
Alexander C. M. Pennington ²	Chesapeake Bay	Ft. Story	1921-22	RM	M1920
(Willoughby) Walke ^{2*}	Chesapeake Bay	Ft. Story	1921-22	RM	M1920

Early 16-inch MkIIIMI Navy gun on BCLR batteries

Name	Harbor Defense	Location	Built	Status in 46	carriage model
Henry J. Hatch	Pearl Harbor	Ft. Barrette	1931-35	CM	M1919M1
(William G.) Haan	Balboa, Panama	Ft. Kobbe	1928-29	RC	M1919M1
(Arthur) Murray	Balboa, Panama	Ft. Kobbe	1924-29	CM	M1919M1

16-inch MkIIIMI Navy gun on BCLR in casemated batteries

Name	Harbor Defense	Location	Built	Status in 46	carr. model
Richmond P. Davis	San Francisco	Ft. Funston	1936-40	C	M2
(Clarence P.) Townsley ¹⁷ Δ	San Francisco	Ft. Cronkhite	1938-40	C	M2

12-inch M1895/M1895MI gun on BCLR batteries

Name	Harbor Defense	Location	Built	Status in 46	carriage model
Stephen M. Foote	Portland	Ft. Levett	1917-24	CM	M1917
Augustus P. Gardner	Boston	Ft. Ruckman	1917-24	CM	M1917
Alfred S. Milliken	New Bedford	Ft. Rodman	1917-24	CM	M1917
(D.C.) Kingman	New York	Ft. Hancock	1918-22	CM	M1917
(Albert L.) Mills	New York	Ft. Hancock	1918-22	CM	M1917
(David) Hall	Delaware	Ft. Saulsbury	1917-24	S	M1917
(John) Haslet	Delaware	Ft. Saulsbury	1917-24	DA (to #519)	M1917
Loomis L. Langdon	Pensacola	Ft. Pickens	1917-23	CM	M1917
Leonard C. Hoskins †	Galveston	Ft. Crockett	1917-21	CM	M1917
Edwin R. Kimble	Galveston	Ft. Travis	1917-22	DA (to #520)	M1917
(Elmer J.) Wallace	San Francisco	Ft. Barry	1917-28	CM	M1917

12-inch M1895/M1895MI gun on BCLR batteries (cont.)

Name	Harbor Defense	Location	Built	Status in 46	carriage model
Henry W. Closson	Pearl Harbor	Ft. Kamehameha	1917-20	CM	M1917
Alexander MacKenzie	Cristobal, Panama	Ft. Sherman	1916-23	RC	M1917
Sedgwick Pratt	Cristobal, Panama	Ft. Sherman	1916-23	CM	M1917
Frank G. Smith ³	Manila Bay	Ft. Mills	1919-21	-	M1917
[Clint C.] Hearn ³	Manila Bay	Ft. Mills	1918-21	-	M1917

8-inch batteries⁴

Name	Harbor Defense	Location	Built	Status in 46	carriage model
Granger Adams * ⁴	Honolulu	Ft. Ruger	1933-35	C	M1918
(Fredrick S.) Strong	San Diego	Ft. Rosecrans	1937	C	M1
(Henry J.) Reilly† ⁴	Narragansett Bay	Ft. Church	1938?	C	M1

Batteries built or planned during the years 1940-1945

16-inch MkIIIMI Navy gun casemated batteries⁵

BCN	Name	Harbor Defense	Location	Status in 46	carriage model	BES
[101]		Portland	Cape Elizabeth ¹	NB	—	
102	(Harry L.) Steele	Portland	Peake Island MR	C	M4/M5	9
103	(Claudius M.) Seaman	Portsmouth	Ft. Dearborn	C	M5	14
104	John B. Murphy	Boston	East Point MR	C	M4	10
105 *		Boston	Ft. Dawes ⁶	NC (deferred)	M5	9
[106]		Boston	Flowers Hill, Scituate ¹	NB	—	
107	(Quinn) Gray ⁵	Narragansett Bay	Ft. Church	C	M3	10
108	(Alston) Hamilton ⁵	Narragansett Bay	Ft. Greene	C	M4	12
109		Narragansett Bay	Ft. Greene	NC (deferred)	M4/M5	10
[110]		Narragansett Bay	Ft. Burnside ¹	NB	—	
111		Long Island Sound	Wilderness Pt., Fishers Is.	NC (deferred)	M4/M5	14
112 ⁵		Long Island Sound	Camp Hero	C	M4	5
113	(John M.) Dunn	Long Island Sound	Camp Hero	C	M4	6
[114]		Long Island Sound	Ft. Terry ->Watch Hill, RI ¹	NB	—	
[115]		New York	Ft. Wadsworth ¹	NB	—	
116	Isaac N. Lewis ¹⁷ Δ	New York	Navesink MR	C	M4	8
[117]		New York	Nigger Pt. ->Jamaica Bay ¹	NB	—	
118	William R. Smith ⁵	Delaware	Ft. Miles	C	M4	7
[119]		Delaware	Ft. Miles	NB (replaced by #519)		
120	(Daniel W.) Ketcham ⁵	Chesapeake Bay	Ft. Story	C	M4	8
121		Chesapeake Bay	Ft. Story	C	M4	8
122	(Eben E.) Winslow ^{5, 17} Δ	Chesapeake Bay	Ft. John Custis	C	M4	8
[123]		Chesapeake Bay	Ft. John Custis ¹	NB	—	
[124]		Chesapeake Bay	Ft. Monroe ¹	NB	—	
[125]		Charleston	James Island	NB (replaced by #520)		
126 †	(Thomas Q.) Ashburn	San Diego	Ft. Rosecrans	C	M4	6
127	Paul D. Bunker	Los Angeles	White Point MR	C	M4	9
128 *		Los Angeles	Bolsa Chica MR ¹²	NC (deferred)	M4	7
129		San Francisco	Ft. Barry	NC (deferred)	M4	12
[130]		San Francisco	Milagra Ridge MR	NB	—	
131		Puget Sound	Camp Hayden	C	M4	10
[132]		Cape Flattery	Ft. Hayden	NB	—	
[133]		Cape Flattery	Ft. Hayden	NB	—	
134 *		San Diego	Ft. Emory ¹⁶	NC (deferred)	M4	5
[151]		Cristobal, Panama	Ft. Sherman ¹	NB	—	
[152]		Roosevelt Roads	Punta Mata Redondo, P.R. ¹	NB	—	
[153]		Roosevelt Roads	Mt. Pirata, Vieques Is. ¹	NB	—	
[154]		Roosevelt Roads	Mt. Jalobre, Vieques Is. ¹	NB	—	
[155]		Roosevelt Roads	Punta Yeguas, P.R. ¹	NB	—	

12-inch M1895/M1895M1 gun on BCLR casemated batteries

BCN	Name	Harbor Defense	Location	Status in 46	carriage model
519 ¹⁷ Δ	(Henry A.) Reed	San Juan	Ft. Amezquita, Cabras Is.	C	M1917
		Trinidad	Chacachacare Is. ¹	NB	—
		Trinidad	Corozal Pt. ¹	NB	—
		Delaware	Ft. Miles	C	M1917
520 †		Charleston	Marshall MR, Sullivan's Is.	C	M1917

8-inch Navy gun on BCLR batteries⁴

BCN	Name	Harbor Defense	Location	Status in 46	carriage model
401		Roosevelt Roads	Fortuna Hill, St. Thomas I.	PC	M1
402		Dutch Harbor	Ft. Schwatka	C	M1
403		Kodiak	Ft. J.H. Smith	C (two story)	M1
404		Kodiak	Ft. Abercrombie	C	M1
405 ⁸	Robert E. DeMerritt	Kaneohe Bay	near PuuPapaa	C	M1
406		Roosevelt Roads	Punta Mata Redonda, P.R.	PC	M1
407 ⁸		Honolulu	Ft. Ruger	NC	M1
[408]		North Shore, Oahu	Paumalu MR ¹	NB	—
409 ⁸		North Shore, Oahu	Kaena Pt.	NC (tunnels excavated)	

6-inch gun BCLR shielded batteries

BCN	Name	Harbor Defense	Location	Status/1946	guns/carr. # BES
201		Portland	Cape Elizabeth MR	NA	—/M4 5
202		Portland	Jewell Is. MR	C	M1/M3 5
203 †	(Richard K.) Cravens	Portland	Peake Is.	C	05A2/M1 5
204		Portsmouth	Ft. Dearborn	C	M1/M3 6
205		Portsmouth	Ft. Foster	NA	—/M4 6
206		Boston	East Point, Nahant	C	03A2/M1 5
207 *		Boston	Ft. Dawes ⁶	NA	—/M3 5
208 ⁷		Boston	Fourth Cliff	C	M1/M4 4
209	(Frank C.) Jewell	Boston	Outer Brewster Is.	C	M1/M3 6
210 †		New Bedford	Misham Pt.	C	M1/M3 5
211 §		Narrangansett Bay	Ft. Greene	C	03A2/M1 6
212 †		Narrangansett Bay	Warren Pt.	C	03A2/M1 6
213		Narrangansett Bay	Ft. Burnside	C	05A2/M1 5
214 †		Long Island Sound	Wilderness Pt., Fishers Is.	NC	—/M4 6
215		Long Island Sound	Ft. H.G. Wright	C	03A2/M1 5
216		Long Island Sound	Camp Hero	C	03A2/M1 4
217		Long Island Sound	Ft. Terry	NA	(M1)/M4 6
218		New York	Ft. Wadsworth	NC	—/M1 4
219		New York	Navesink	C	03A2/M1 5
220		New York	Ft. Tilden	NA	—/M1 4
221	(Ralph E.) Herring	Delaware Bay	Ft. Miles	C	03A2/M1 6
222	(Charles H.) Hunter	Delaware Bay	Ft. Miles	C	03A2/M1 6
223 §		Delaware Bay	Cape May MR	NC	M1/M3 4
224	(Phillip) Worcester ⁹	Chesapeake Bay	Ft. Story	C	00/00 Ped. 2
225	(Raymond V.) Cramer	Chesapeake Bay	Ft. Story	C	03A2/M2 3
226		Chesapeake Bay	Ft. Story	C	M1/M4 3
227 ^{7, 10}		Chesapeake Bay	Fishermans Is.	C	05A2/M1 3
228		Chesapeake Bay	Ft. John Custis	NC	—/M4 4
229	(Horatio) Gates ¹¹	Chesapeake Bay	Ft. Wool	NA	—/M4 2
230		Charleston	Ft. Moultrie	NC	—/M4 5
231		Key West	Ft. Taylor	NA	—/M4 3
232		Key West	Salt Ponds MR	C	M1/M3 3
233		Pensacola	Ft. McRee	NC	—/M4 3
234 ¹⁰ Δ		Pensacola	Ft. Pickens	NC	—/M4 3
235		Galveston	Ft. San Jacinto	C	05A2/M1 3
236 Δ		Galveston	Ft. Travis	NC	—/M1 3
237 ⁷		San Diego	Ft. Rosecrans	C	03A2/M1 5
238	(Charles) Humphreys	San Diego	Ft. Rosecrans	C	03A2/M1 4
239	(Homer B.) Grant	San Diego	Ft. Emory	C	05A2/M1 5

6-inch gun BCLR shielded batteries (cont.)

BCN	Name	Harbor Defense	Location	Status/1946	guns/carr.	# BES
240	Harry C. Barnes	Los Angeles	Point Vicente MR	C	03A2/M1	4
241 † ^{7,12}		Los Angeles	Ft. MacArthur	NA	(M1)/M4	6
242 * ¹²	Harry J. Harrison	Los Angeles	Bolsa Chica MR	C	M1/M4	6
243 ¹³		San Francisco	Ft. Miley	NA	—/M4	6
244 ¹³		San Francisco	Milagra Ridge MR	NA	(M1)/M4	5
245 Δ		Columbia River	Ft. Stevens	C	M1/M4	7
246 ¹³ Δ		Columbia River	Ft. Columbia	NC	—/M4	7
247 ¹³		Columbia River	Ft. Canby	C	M1/M4	6
248 Δ		Puget Sound	Ft. Ebey	C	05A2/M1	5
249		Puget Sound	Camp Hayden	C	M1/M4	7
[250]		Cape Flattery	Ft. Hayden, Neah Bay	NB	—	
[251]		Cape Flattery	Ft. Hayden, Ocean Creek	NB	—	
261	(Mervyn C.) Buckey	San Juan	Punta Salinas	NA	—/M4	5
262	(William P.) Pence	San Juan	East Salinas Is.	C	03A2/M1	5
263 *	(Theodore) Schwan	San Juan	Punta Escambron	C	03A2/M1	4
264	(James W.) Lancaster	San Juan	Punta Cangrejos	C	03A2/M1	4
265		Roosevelt Roads	Pineros Is., P.R.	C	03A2/M1	
[266]		Roosevelt Roads	Martineau Hill, Vieques Is. ¹	NB	—	
[267]		Roosevelt Roads	Punta Arenas, Vieques Is. ¹	NB	—	
268		Roosevelt Roads	Punta Lima, P.R.	NA	—/M4	
[271]		Trinidad	Ft. Read, Corozal Pt. ¹	NB	—	
[272]		Trinidad	Ft. Read, Monos Is. N. ¹	NB	—	
[273]		Trinidad	Ft. Read, Monos Is. S. ¹	NB	—	
[274]		Trinidad	Ft. Read, Chacachacare Is. ¹	NB	—	
[275]		Trinidad	Ft. Read, Green Hill ¹	NB	—	
281 ¹³	Argentia		Ft. McAndrew (North)	C	03A2/M1	
282 ¹⁴ Δ	Argentia		Ft. McAndrew, Hill 195	C	03A2/M1	
283	Bermuda		Stone Hill	C	03A2/M1	5
284 †	Bermuda		Ft. Victoria	C	03A2/M1	4
[285]	Jamaica -> Roosevelt Roads		Portland Bight-> Vieques I. ¹	NB	—	
290		Sitka	Ft. Babcock	NC(88%)	—/—	2
291		Sitka	Ft. Peirce	NC(98%)	03A2/M1	4
292		Sitka	Ft. Rousseau	C	03A2/M1	5
293		Seward	Ft. McGilvray	C (99%)	03A2/M1	4
294		Seward	Ft. Bulkley	NC(90%)	03A2/M1	3
[295]	Kodiak		Ft. J. H. Smith ¹	NB	—	
296	Kodiak		Ft. Tidball	C	03A2/M1	
[297]	Kodiak		Ft. Abercrombie ¹	NB	—	
298		Dutch Harbor	Ft. Learnard	C	03A2/M1	
[299]		Dutch Harbor	Ft. Schwatka ¹	NB	—	
301	Forrest J. French	Kanoeha Bay	Ft. Hase	C	03A2/M1	3
302 ⁸	Avery J. Cooper	Kanoeha Bay	Lae-o-ka-oio	C/NA?	03A2/M1	3
303 ⁸		Pearl Harbor	Puo-O-Hulu	NC	— / —	
304		Honolulu	Punchbowl	NC	— / —	
[305]		Pearl Harbor	Koko Saddle ¹	NB	—	
[311]		Roosevelt Roads	Cabo San Juan, P.R. ¹	NB	—	
[312]		Roosevelt Roads	Culebra Is., North Pt. ¹	NB	—	
[313]		Roosevelt Roads	Culebra Is., Dolphin Head ¹	NB	—	
314		Roosevelt Roads	Water Is., St. Thomas	NA	—/M4	
[315]		Roosevelt Roads	Hill 411, St. Thomas ¹	NB	—	

1942-1945 Hawaiian Naval turret batteries

Name	Armament	Location	Status in 1946
Lewis S. Kirkpatrick	two twin 8" turrets	Wiliwilini Ridge	C
Louis S. Burgess *	two twin 8" turrets	Salt Lake MR	C
Carrol G. Riggs	two twin 8" turrets	Opaeula MR	C
George W. Ricker	two twin 8" turrets	Browns Camp MR	C
Pennsylvania	one triple 14" turret	Ft. Hase, Ulupau Head	C
Arizona ¹⁵	one triple 14" turret	Kahe Pt.	NC

NOTES:

1. The given locations of the batteries that were not actually built (NB) on this list are the last ones proposed for that battery before they were officially canceled. Many of these had several different proposed locations during the years 1940-1942. Battery locations that are known to have been moved are indicated by the symbol -> between locations. The given locations are usually the first assigned location and the last assigned location for the indicated battery.
2. Battery Pennington was the name originally given to all four guns of the 16-inch howitzer battery. Later the battery was divided into two batteries, Pennington 'A' and 'B'. In 1941 Battery 'B' (gun positions 3 and 4) were renamed Battery Walke, while positions 1 and 2 retained the name Pennington.
3. The two 12-inch LRBC guns built at Fort Mills were originally designated Battery Smith. However, the magazines were actually built as two separate structures to service the guns which were located on adjacent ridges. In the 1920s, the battery was redesignated as two single-gun batteries, with the left gun receiving the name of Battery Hearn. These guns were rendered inoperable by their crews before Corregidor was surrendered to the Japanese. They are still in place.
4. Battery Granger Adams was built for two Army M1888 8-inch guns on M1918 barbette carriages. These guns were emplaced on simple concrete platforms by 1935 with a protected magazine between the two gun positions. This battery served as the model for Battery Strong built two years later, which utilized two 8-inch Navy guns on newly designed Army M1 barbette carriages. Battery Reilly was a unique 8-inch casemated battery. The new 6-inch and 8-inch batteries were designed with open emplacements, but the gun crews were to be protected from shrapnel by metal shields which surrounded the gun carriage. The shields were developed and manufactured for the 6-inch guns, but not for the 8-inch guns. Battery Reilly was buried in 1995.
5. The 16-inch battery construction program had an interesting progression of events from 1940 to 1945. In addition to the 27 new 1940 Program batteries authorized that year, six 16-inch batteries previously authorized for construction in 1939 were also incorporated—four then under construction and two not yet started: underway were two at Narragansett Bay, RI, later designated as Battery Gray-BCN 107 and Battery Hamilton-BCN 108; one underway at Cape Henlopen, DE, later designated Battery Smith-BCN 118; and one underway at Cape Henry (Fort Story), VA, later designated Battery Ketcham-BCN 120. These four had a slightly different design than the rest of 1940 program batteries. A fifth 16-inch battery had been assigned to Montauk Point, NY, (eventually designated BCN 112) and a sixth 16-inch battery had been assigned to Cape Charles, VA (eventually designated BCN 122). This resulted in a total of 33 new 16-inch batteries to be built or finished when the project officially started in late 1940. Once underway, priorities shifted resulting in the cancellation of a number of the planned 16-inch batteries. BCN 115 was dropped from the construction program in late 1941 and BCN 134 was added for San Diego. The construction of fourteen 16-inch batteries which had not been started were deferred by September 1942 (BCNs 101, 106, 110, 114, 117, 119, 123, 124, 125, 128, 130, 133, and 134) as well as the Caribbean 16-inch batteries (BCNs 151, 152, 153, 154, 155). In November 1942 construction on BCNs 128, 133, and 134 were allowed to proceed, the remaining deferred batteries were eliminated. BCNs 132 and 133 were cancelled in October 1943. Work on BCNs 105, 109, 111, 128, 129, and 134 was suspended in November 1943—the concrete work was completed, but the armament and the power plants were not installed, resulting in designations of not completed (NC) or not armed (NA).
6. All emplacements at Fort Dawes on Deer Island were destroyed in the mid-1980s for a Boston municipal water treatment plant.
7. The power equipment, including the diesel generators, still remain in BCNs 208, 223, 237, and 241.
8. These batteries were tunneled in the hillsides of Oahu. The guns were protected from rockfall by thin concrete aprons.
9. Battery Worcester was built for a pair of Model 1900 6-inch pedestal mount guns. The design of this battery was much simpler than the 6-inch design finally adopted. The construction was given BCN 224 to fit it into the program. A second battery built under this particular design was Battery Kessler at Fort Tilden which was totally rebuilt during 1941-1942, but not as a part of the modernization program.
10. The guns of BCN 227 were salvaged by the Smithsonian. In the early 1970s, they were installed in BCN 234 at Fort Pickens. Now part of the Gulf Shores National Seashore, the guns are one of three pairs of this model that remain today.
11. Battery Gates (BCN 229) was a conversion of an existing 6 inch battery, there was only 105 ft. between the guns.
12. Battery Harry C. Harrison (BCN 242) was armed, but not considered complete in 1944. In 1946, Battery Harrison's guns were transferred to BCN 241, which was not armed by late 1945. The guns remained at BCN 241 until the mid-1950s. BCN 241 still retains its power equipment and generators. Both Bolsa Chica batteries were demolished during 1993-95.
13. The carriages were installed for BCN 246 and the gun tubes were delivered to the site but not mounted. The guns of BCN 246 and those of BCN 247 were transferred to San Francisco and mounted in BCN 243 and BCN 244 sometime during 1945-47. In 1993, a pair of 6-in guns and carriages that remained at BCN 281 were removed, refurbished, and installed in BCN 246 at Fort Columbia State Park by the State of Washington. BCN 247 at Fort Stevens State Park has two 5-inch navy gun turrets in its emplacements.
14. The guns and carriages still remain at BCN 282.
15. The turret and its guns was mounted at Battery Arizona, but it was not considered complete nor were its guns proof-fired.
16. BCN 134 was destroyed by the Navy in 2016 to make room for a new SEAL training complex.
17. Modern restoration efforts. Battery 520 has a 12-inch navy barrel remounted in one casemate, the battery is home to the Fort Miles Museum, open regular hours for tours. A 16-inch navy MkVII barrel is on display nearby. Battery Lewis has been renovated and restored by Monmouth County Parks and Recreation and is open on scheduled weekends and has a 16-inch MkVII Navy gun barrel mounted in one casemate. At Battery Winslow a 16-inch MkVII Navy gun barrel is mounted in one casemate. Battery Townsley is being restored and is open for tours once a month, with a 16-inch MkVII Navy gun barrel on display. BCN 234 and BCN 246 have had guns replaced in 1976 and 1992 respectively. BCN 248 at Fort Ebey, BCN 247 at Fort Stevens, and BCN 245 at Cape Disappointment are clean and open to the public.